

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: P628856

Luminaire Tested: GWS-SA1A-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1524.9 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

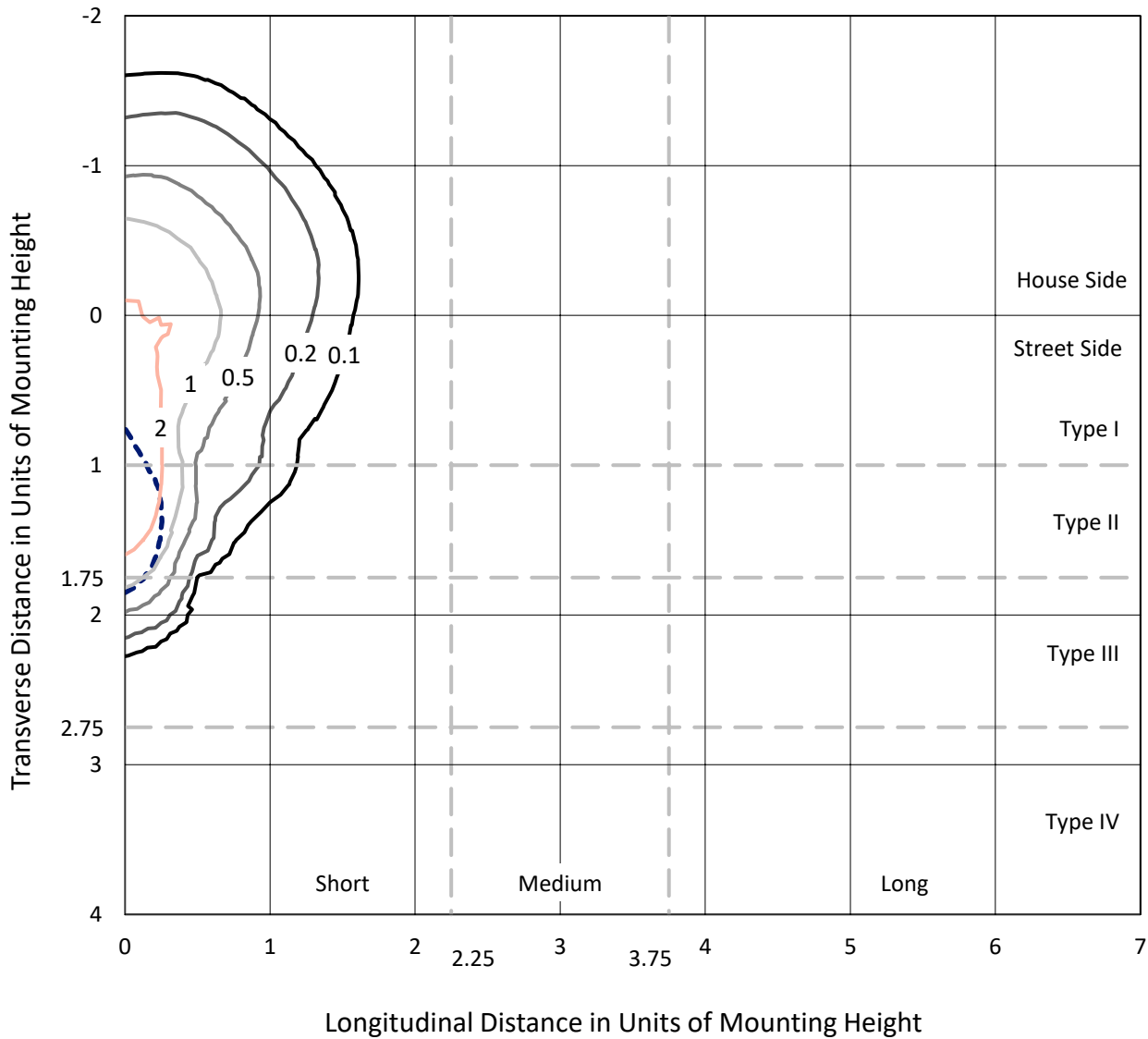
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

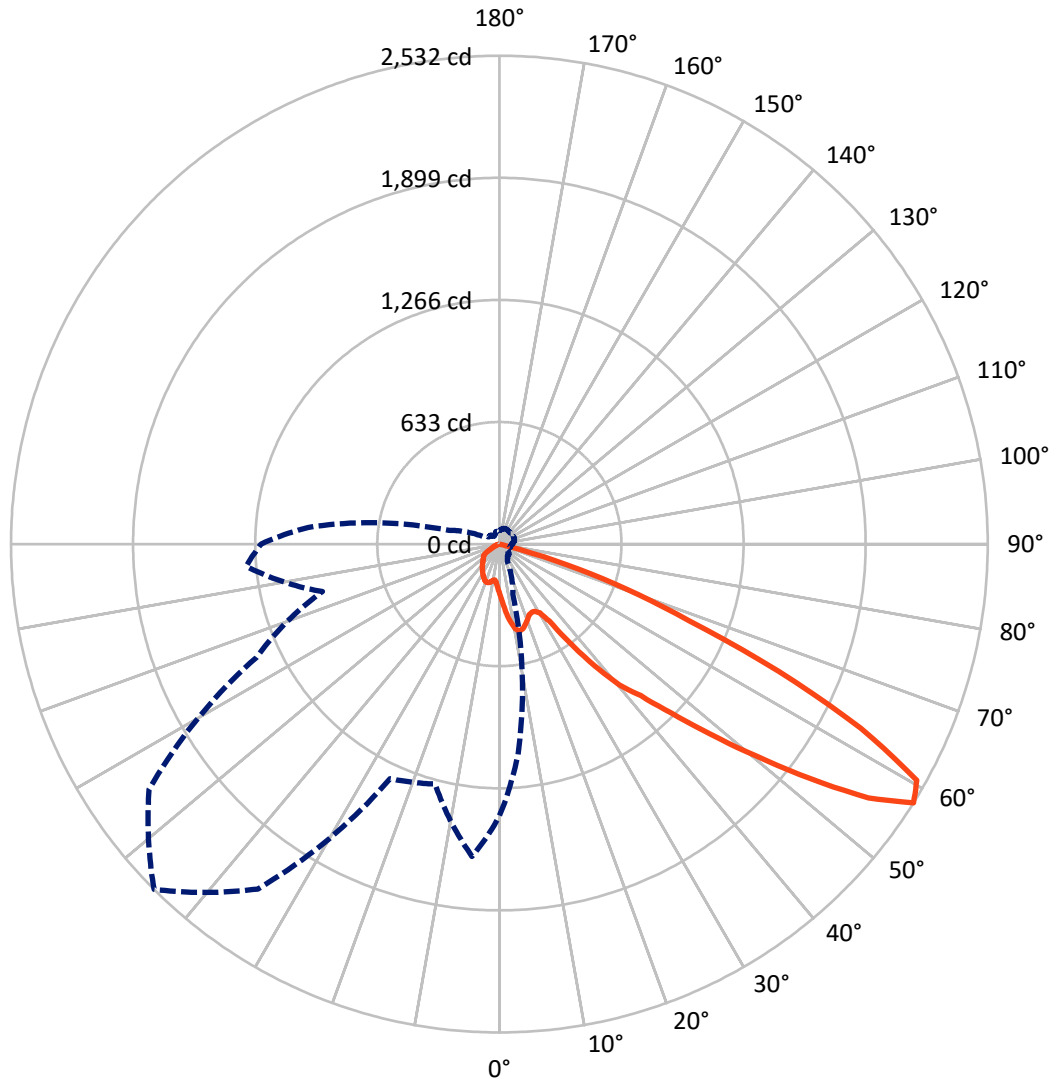
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 328.5 | 0.0 | 328.5 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 1196.4 | 0.0 | 1196.4 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 1524.9 | 0.0 | 1524.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.6 | 1.7 |
| 10°-20° | 84.3 | 5.5 |
| 20°-30° | 136.8 | 9.0 |
| 30°-40° | 209.9 | 13.8 |
| 40°-50° | 335.2 | 22.0 |
| 50°-60° | 469.4 | 30.8 |
| 60°-70° | 240.7 | 15.8 |
| 70°-80° | 23.2 | 1.5 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 1524.9 | 100.0 |
| 0°-180° | 1524.9 | 100.0 |

Coefficient of Utilization



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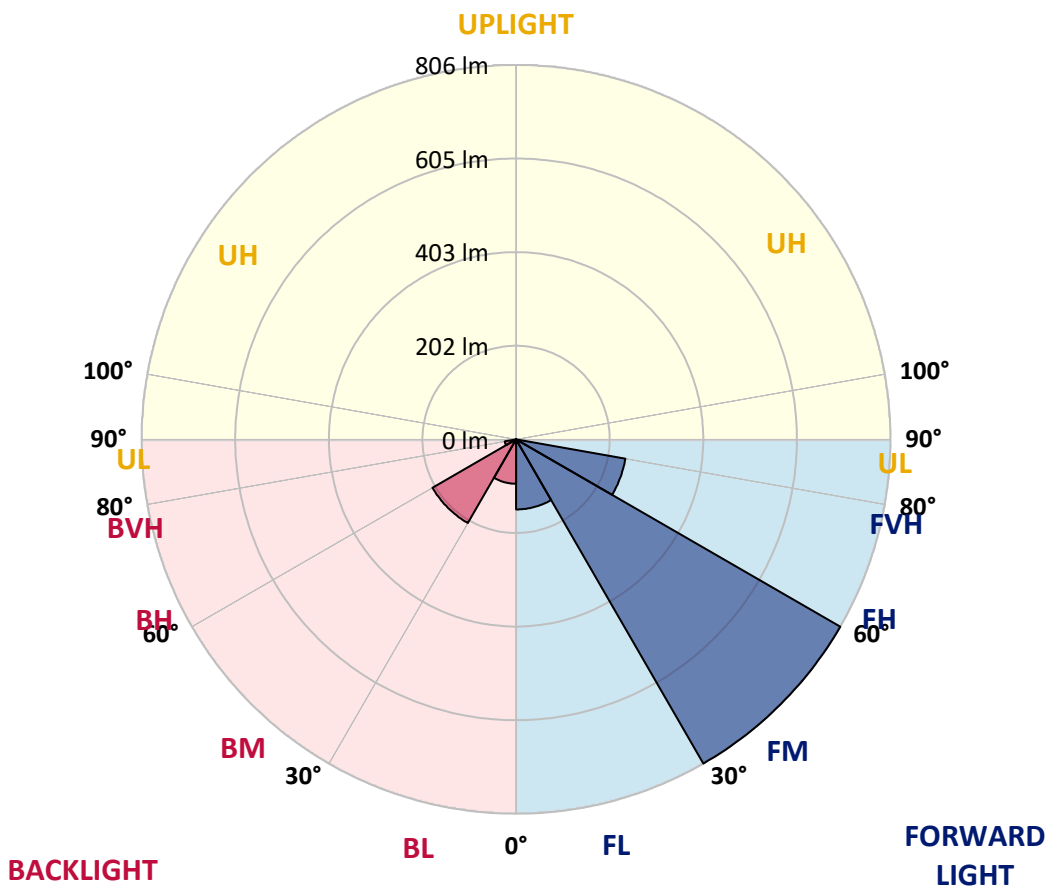
CATALOG NUMBER: GWS-SA1A-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 151.0 | 9.9 | | | |
| FM (30°-60°) | 806.4 | 52.9 | | | |
| FH (60°-80°) | 239.0 | 15.7 | | | G0/660 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 95.7 | 6.3 | B0/110 | | |
| BM (30°-60°) | 208.0 | 13.6 | B0/220 | | |
| BH (60°-80°) | 24.8 | 1.6 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 |
| 2.5° | 287.8 | 287.2 | 285.2 | 278.3 | 274.0 | 267.3 | 262.4 | 256.0 | 249.1 | 244.8 | 240.6 |
| 5° | 318.4 | 316.8 | 311.3 | 295.4 | 283.2 | 269.9 | 259.3 | 247.7 | 235.3 | 227.1 | 219.6 |
| 7.5° | 347.8 | 345.3 | 338.0 | 311.1 | 292.5 | 273.6 | 258.5 | 241.6 | 224.0 | 211.8 | 202.4 |
| 10° | 376.5 | 371.0 | 359.4 | 326.4 | 301.3 | 278.5 | 260.7 | 241.4 | 220.8 | 205.3 | 194.9 |
| 12.5° | 400.2 | 396.1 | 380.2 | 340.9 | 308.6 | 279.5 | 257.7 | 239.7 | 225.9 | 215.5 | 205.9 |
| 15° | 420.6 | 416.1 | 401.0 | 353.9 | 315.0 | 275.4 | 244.8 | 229.1 | 231.4 | 235.5 | 227.3 |
| 17.5° | 439.3 | 434.6 | 418.3 | 364.7 | 317.4 | 265.4 | 226.9 | 219.4 | 231.8 | 247.1 | 244.0 |
| 20° | 458.7 | 453.4 | 433.4 | 373.5 | 316.6 | 249.7 | 208.8 | 211.0 | 228.5 | 246.1 | 247.7 |
| 22.5° | 481.3 | 475.8 | 452.6 | 384.7 | 316.0 | 231.0 | 193.1 | 203.7 | 222.4 | 237.3 | 240.1 |
| 25° | 511.3 | 504.8 | 479.3 | 401.2 | 317.6 | 213.8 | 181.8 | 196.5 | 212.0 | 225.5 | 227.1 |
| 27.5° | 550.8 | 542.5 | 510.1 | 421.6 | 321.1 | 200.4 | 176.9 | 186.7 | 198.8 | 210.8 | 212.2 |
| 30° | 602.4 | 591.8 | 545.3 | 439.3 | 319.4 | 191.0 | 173.7 | 176.9 | 184.1 | 193.9 | 194.1 |
| 32.5° | 662.7 | 648.3 | 584.9 | 454.6 | 305.4 | 184.1 | 169.2 | 167.0 | 168.6 | 176.1 | 177.6 |
| 35° | 733.7 | 714.9 | 628.5 | 469.1 | 279.7 | 170.6 | 161.0 | 153.5 | 152.9 | 156.6 | 160.0 |
| 37.5° | 815.0 | 792.6 | 683.5 | 487.6 | 249.3 | 156.6 | 149.0 | 141.5 | 138.2 | 140.1 | 145.4 |
| 40° | 890.0 | 865.2 | 741.0 | 510.1 | 218.3 | 143.9 | 135.0 | 127.2 | 123.3 | 123.9 | 130.5 |
| 42.5° | 978.1 | 952.4 | 811.4 | 539.4 | 192.6 | 135.4 | 120.3 | 112.3 | 107.2 | 110.1 | 117.6 |
| 45° | 1111.8 | 1082.7 | 913.9 | 564.9 | 172.3 | 133.3 | 107.4 | 96.2 | 93.8 | 98.7 | 107.6 |
| 47.5° | 1294.5 | 1258.8 | 1054.8 | 580.4 | 154.9 | 135.2 | 98.5 | 83.2 | 83.8 | 89.3 | 98.3 |
| 50° | 1475.7 | 1437.2 | 1217.6 | 560.0 | 140.7 | 131.5 | 94.0 | 73.0 | 76.9 | 81.7 | 89.9 |
| 52.5° | 1600.3 | 1550.1 | 1296.9 | 501.1 | 127.6 | 117.6 | 93.6 | 63.4 | 70.7 | 72.4 | 79.3 |
| 55° | 1605.2 | 1543.4 | 1256.4 | 395.1 | 109.9 | 99.3 | 89.3 | 55.4 | 64.0 | 64.6 | 70.5 |
| 57.5° | 1407.0 | 1351.2 | 1098.0 | 271.3 | 97.6 | 72.8 | 71.1 | 48.5 | 52.6 | 57.7 | 61.4 |
| 60° | 1070.5 | 1023.0 | 821.1 | 124.4 | 74.2 | 46.3 | 48.7 | 41.8 | 39.3 | 46.9 | 50.6 |
| 62.5° | 655.6 | 625.2 | 492.5 | 55.0 | 47.3 | 24.7 | 29.6 | 33.2 | 29.6 | 32.4 | 35.5 |
| 65° | 260.3 | 246.9 | 186.9 | 23.4 | 19.4 | 12.4 | 13.5 | 19.4 | 20.8 | 22.8 | 25.7 |
| 67.5° | 45.3 | 42.8 | 31.4 | 10.4 | 8.0 | 7.5 | 6.5 | 9.0 | 12.6 | 14.1 | 16.3 |
| 70° | 5.9 | 5.7 | 5.1 | 4.3 | 4.1 | 3.7 | 2.9 | 5.7 | 8.6 | 9.0 | 10.4 |
| 72.5° | 1.4 | 1.2 | 1.2 | 1.0 | 1.2 | 0.4 | 0.4 | 3.1 | 6.1 | 6.3 | 7.3 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 3.9 | 4.3 | 5.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: GWS-SA1A-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 |
| 2.5° | 237.1 | 233.0 | 231.6 | 229.5 | 226.9 | 227.7 | 224.0 | 222.8 | 224.7 | 227.1 | 226.5 |
| 5° | 215.5 | 211.0 | 207.9 | 203.2 | 202.4 | 200.6 | 199.4 | 197.7 | 199.8 | 202.6 | 203.2 |
| 7.5° | 198.4 | 194.5 | 191.4 | 190.0 | 189.0 | 188.2 | 185.7 | 184.5 | 184.5 | 185.7 | 186.7 |
| 10° | 191.0 | 188.2 | 187.5 | 188.0 | 189.6 | 189.4 | 187.1 | 185.5 | 183.5 | 182.5 | 183.7 |
| 12.5° | 201.2 | 196.5 | 195.7 | 195.9 | 197.9 | 197.7 | 195.3 | 193.3 | 192.8 | 193.3 | 197.1 |
| 15° | 218.5 | 211.4 | 206.1 | 205.1 | 206.1 | 205.7 | 203.9 | 202.6 | 203.2 | 209.2 | 215.7 |
| 17.5° | 234.0 | 223.0 | 213.4 | 209.8 | 209.6 | 209.0 | 207.1 | 206.7 | 209.8 | 220.8 | 230.4 |
| 20° | 238.5 | 227.7 | 214.1 | 209.4 | 208.3 | 207.7 | 205.7 | 206.3 | 210.2 | 223.4 | 231.6 |
| 22.5° | 232.6 | 222.2 | 207.9 | 203.2 | 202.4 | 202.2 | 200.2 | 201.0 | 204.3 | 215.9 | 222.6 |
| 25° | 221.4 | 212.6 | 197.7 | 193.7 | 193.7 | 193.3 | 191.4 | 191.8 | 193.9 | 204.1 | 210.6 |
| 27.5° | 207.7 | 199.4 | 186.9 | 182.9 | 183.5 | 184.1 | 181.8 | 181.2 | 182.9 | 192.4 | 196.3 |
| 30° | 192.0 | 186.1 | 176.3 | 172.7 | 172.5 | 174.9 | 171.9 | 171.0 | 173.3 | 180.8 | 181.6 |
| 32.5° | 176.7 | 173.9 | 167.0 | 164.1 | 164.3 | 164.7 | 163.1 | 163.1 | 165.1 | 169.2 | 169.0 |
| 35° | 161.9 | 160.0 | 158.8 | 156.8 | 156.6 | 155.7 | 155.7 | 156.2 | 158.4 | 159.8 | 157.2 |
| 37.5° | 147.6 | 149.4 | 150.9 | 148.8 | 147.2 | 147.2 | 147.2 | 149.0 | 151.1 | 150.4 | 146.0 |
| 40° | 135.0 | 138.8 | 143.3 | 141.1 | 137.2 | 137.0 | 137.8 | 140.9 | 143.9 | 140.3 | 136.2 |
| 42.5° | 124.1 | 129.0 | 135.4 | 134.1 | 129.9 | 129.2 | 129.9 | 133.7 | 136.2 | 131.5 | 127.0 |
| 45° | 113.5 | 119.7 | 127.2 | 127.2 | 122.5 | 121.9 | 122.1 | 127.2 | 128.6 | 123.1 | 117.4 |
| 47.5° | 104.6 | 111.3 | 119.3 | 119.3 | 115.4 | 114.2 | 115.2 | 120.5 | 121.5 | 113.8 | 108.5 |
| 50° | 96.0 | 103.4 | 112.1 | 111.5 | 108.9 | 107.8 | 109.7 | 115.4 | 114.2 | 105.6 | 100.1 |
| 52.5° | 85.2 | 93.0 | 105.0 | 105.6 | 104.2 | 104.4 | 106.6 | 110.3 | 106.8 | 96.4 | 91.7 |
| 55° | 75.4 | 83.4 | 95.4 | 98.7 | 98.7 | 98.5 | 99.5 | 102.3 | 99.5 | 87.0 | 81.3 |
| 57.5° | 64.8 | 71.6 | 81.5 | 82.4 | 83.0 | 80.7 | 82.2 | 86.0 | 84.6 | 74.0 | 70.7 |
| 60° | 53.2 | 58.9 | 64.6 | 65.2 | 62.6 | 57.9 | 60.5 | 65.0 | 66.0 | 58.1 | 54.4 |
| 62.5° | 37.7 | 43.2 | 49.9 | 49.9 | 47.3 | 42.6 | 46.1 | 49.9 | 48.5 | 40.4 | 38.1 |
| 65° | 28.1 | 33.2 | 38.3 | 40.6 | 38.3 | 35.1 | 37.7 | 40.6 | 38.3 | 31.6 | 28.3 |
| 67.5° | 18.1 | 21.6 | 24.7 | 26.5 | 26.9 | 26.5 | 27.7 | 26.9 | 24.3 | 19.8 | 17.9 |
| 70° | 11.0 | 12.8 | 14.5 | 16.1 | 17.3 | 17.9 | 18.6 | 16.7 | 14.1 | 11.6 | 11.0 |
| 72.5° | 8.0 | 9.6 | 11.0 | 12.2 | 13.7 | 14.1 | 14.1 | 12.8 | 10.4 | 8.2 | 7.5 |
| 75° | 5.5 | 6.9 | 8.2 | 9.0 | 10.2 | 10.6 | 10.6 | 9.6 | 7.7 | 5.9 | 5.3 |
| 77.5° | 0.2 | 1.4 | 1.4 | 1.2 | 1.6 | 2.0 | 2.0 | 2.4 | 2.2 | 1.6 | 1.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 |
| 2.5° | 227.7 | 235.0 | 237.1 | 244.6 | 251.4 | 258.1 | 266.2 | 271.1 | 278.5 | 283.6 | 286.4 |
| 5° | 205.3 | 211.4 | 218.7 | 230.0 | 241.6 | 254.4 | 269.9 | 283.4 | 300.3 | 312.7 | 316.8 |
| 7.5° | 189.0 | 196.9 | 205.5 | 219.6 | 235.5 | 252.6 | 274.4 | 296.4 | 322.3 | 339.2 | 350.0 |
| 10° | 185.9 | 194.1 | 205.5 | 219.4 | 236.1 | 255.6 | 282.3 | 310.9 | 343.3 | 363.9 | 376.1 |
| 12.5° | 200.6 | 209.4 | 214.3 | 220.6 | 233.2 | 255.0 | 289.3 | 325.6 | 363.7 | 386.1 | 399.2 |
| 15° | 222.2 | 230.0 | 222.0 | 214.1 | 222.2 | 248.5 | 293.1 | 337.8 | 381.6 | 407.5 | 421.0 |
| 17.5° | 237.1 | 237.7 | 220.4 | 203.4 | 205.7 | 236.7 | 294.6 | 350.0 | 400.8 | 427.9 | 442.0 |
| 20° | 235.7 | 230.8 | 213.2 | 194.5 | 187.5 | 221.4 | 292.9 | 360.8 | 420.2 | 448.5 | 462.3 |
| 22.5° | 224.7 | 218.9 | 204.1 | 185.7 | 172.3 | 203.2 | 290.1 | 370.6 | 437.9 | 470.1 | 483.1 |
| 25° | 211.4 | 205.3 | 193.1 | 176.9 | 162.5 | 185.7 | 287.8 | 384.1 | 460.3 | 498.2 | 508.4 |
| 27.5° | 195.9 | 190.6 | 180.2 | 168.6 | 158.4 | 172.5 | 287.2 | 401.8 | 487.4 | 532.5 | 539.6 |
| 30° | 180.8 | 175.9 | 167.8 | 161.0 | 156.8 | 164.7 | 285.2 | 420.8 | 519.8 | 571.8 | 579.6 |
| 32.5° | 166.3 | 161.5 | 156.4 | 155.3 | 155.5 | 161.9 | 278.3 | 439.5 | 558.4 | 628.9 | 634.6 |
| 35° | 153.9 | 148.2 | 146.2 | 148.6 | 153.1 | 157.0 | 258.7 | 455.0 | 599.7 | 691.1 | 695.8 |
| 37.5° | 142.1 | 136.4 | 136.2 | 142.1 | 147.0 | 149.4 | 235.7 | 470.3 | 655.6 | 754.3 | 760.2 |
| 40° | 131.3 | 125.6 | 127.6 | 134.7 | 138.6 | 139.8 | 207.7 | 493.5 | 714.7 | 820.9 | 817.7 |
| 42.5° | 122.1 | 116.2 | 117.4 | 126.6 | 130.1 | 133.3 | 182.0 | 512.9 | 771.6 | 884.1 | 883.1 |
| 45° | 113.1 | 108.7 | 107.8 | 117.8 | 120.9 | 133.9 | 163.3 | 527.8 | 844.8 | 964.7 | 966.3 |
| 47.5° | 104.4 | 100.9 | 101.1 | 105.4 | 112.9 | 137.0 | 147.4 | 537.6 | 951.0 | 1092.3 | 1063.9 |
| 50° | 96.4 | 93.8 | 96.0 | 91.1 | 107.8 | 133.1 | 133.7 | 535.5 | 1069.6 | 1214.6 | 1157.7 |
| 52.5° | 87.7 | 87.0 | 88.1 | 76.2 | 99.7 | 117.4 | 120.9 | 508.4 | 1125.3 | 1298.2 | 1265.8 |
| 55° | 78.7 | 78.5 | 70.3 | 61.0 | 83.4 | 93.8 | 103.6 | 424.2 | 1123.5 | 1342.6 | 1382.0 |
| 57.5° | 68.1 | 66.5 | 53.4 | 49.7 | 64.8 | 65.2 | 94.4 | 277.9 | 995.6 | 1236.2 | 1317.7 |
| 60° | 51.6 | 50.4 | 39.1 | 40.4 | 45.3 | 41.8 | 75.2 | 138.4 | 744.1 | 963.0 | 1055.0 |
| 62.5° | 35.7 | 34.0 | 29.2 | 31.2 | 29.2 | 23.9 | 46.1 | 68.5 | 450.7 | 608.1 | 691.5 |
| 65° | 26.1 | 24.3 | 20.0 | 17.1 | 13.7 | 13.7 | 17.5 | 26.3 | 174.5 | 258.5 | 311.7 |
| 67.5° | 16.1 | 15.3 | 11.8 | 8.6 | 8.4 | 9.0 | 9.2 | 13.0 | 28.1 | 44.8 | 54.8 |
| 70° | 10.4 | 9.6 | 8.0 | 5.5 | 5.1 | 5.3 | 5.5 | 6.1 | 7.1 | 7.7 | 9.4 |
| 72.5° | 7.1 | 6.7 | 5.7 | 3.1 | 2.4 | 2.7 | 2.9 | 2.9 | 3.5 | 3.3 | 3.9 |
| 75° | 5.1 | 4.7 | 4.1 | 1.4 | 0.8 | 1.0 | 1.2 | 1.0 | 1.2 | 0.8 | 1.0 |
| 77.5° | 1.4 | 1.4 | 1.0 | 0.2 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: GWS-SA1A-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 | 259.1 |
| 2.5° | 293.8 | 298.4 | 300.3 | 297.6 | 299.9 | 296.2 | 294.8 | 289.3 | 288.9 | 287.8 |
| 5° | 333.3 | 343.9 | 350.2 | 354.1 | 349.6 | 344.7 | 337.4 | 324.7 | 320.9 | 318.4 |
| 7.5° | 372.2 | 388.8 | 399.6 | 404.7 | 403.4 | 393.4 | 380.2 | 359.0 | 351.5 | 347.8 |
| 10° | 406.1 | 426.3 | 439.3 | 445.6 | 443.0 | 434.2 | 415.3 | 388.8 | 378.8 | 376.5 |
| 12.5° | 429.7 | 448.3 | 457.3 | 462.8 | 463.0 | 459.5 | 441.6 | 414.9 | 403.0 | 400.2 |
| 15° | 444.6 | 452.6 | 452.8 | 456.0 | 461.7 | 469.5 | 461.1 | 437.5 | 424.8 | 420.6 |
| 17.5° | 454.0 | 445.2 | 436.3 | 437.1 | 446.4 | 467.0 | 475.6 | 457.5 | 444.0 | 439.3 |
| 20° | 460.7 | 433.0 | 416.3 | 416.5 | 426.1 | 457.3 | 485.6 | 476.8 | 463.0 | 458.7 |
| 22.5° | 465.0 | 422.2 | 398.3 | 397.7 | 407.9 | 445.6 | 494.8 | 499.9 | 486.2 | 481.3 |
| 25° | 473.8 | 417.1 | 387.5 | 391.0 | 400.0 | 442.0 | 507.2 | 530.4 | 517.8 | 511.3 |
| 27.5° | 489.5 | 422.2 | 386.5 | 394.5 | 404.7 | 452.8 | 528.8 | 571.2 | 558.2 | 550.8 |
| 30° | 516.6 | 441.4 | 402.2 | 413.2 | 425.5 | 481.1 | 565.1 | 628.1 | 609.3 | 602.4 |
| 32.5° | 560.2 | 481.1 | 450.7 | 474.4 | 486.2 | 527.6 | 619.5 | 691.9 | 676.6 | 662.7 |
| 35° | 620.3 | 571.8 | 568.4 | 623.4 | 620.5 | 615.7 | 686.4 | 770.2 | 747.1 | 733.7 |
| 37.5° | 703.1 | 717.8 | 743.5 | 798.1 | 796.3 | 759.0 | 774.3 | 844.2 | 832.4 | 815.0 |
| 40° | 806.5 | 837.7 | 881.3 | 959.6 | 935.1 | 888.2 | 882.1 | 920.0 | 910.4 | 890.0 |
| 42.5° | 867.4 | 921.2 | 1004.4 | 1074.7 | 1055.2 | 973.2 | 966.3 | 1021.3 | 1000.3 | 978.1 |
| 45° | 895.8 | 989.3 | 1152.4 | 1247.6 | 1188.3 | 1029.7 | 1027.0 | 1153.4 | 1141.6 | 1111.8 |
| 47.5° | 908.8 | 1058.0 | 1325.7 | 1469.8 | 1358.9 | 1079.2 | 1069.6 | 1345.1 | 1329.6 | 1294.5 |
| 50° | 923.3 | 1152.8 | 1534.4 | 1727.3 | 1565.0 | 1135.3 | 1142.2 | 1523.6 | 1517.1 | 1475.7 |
| 52.5° | 955.1 | 1253.1 | 1791.5 | 2021.7 | 1814.9 | 1223.1 | 1266.8 | 1692.0 | 1648.0 | 1600.3 |
| 55° | 1002.8 | 1362.4 | 2059.0 | 2322.3 | 2070.0 | 1341.2 | 1401.5 | 1781.5 | 1658.0 | 1605.2 |
| 57.5° | 950.0 | 1389.7 | 2217.4 | 2532.3 | 2183.1 | 1341.6 | 1287.6 | 1626.4 | 1458.2 | 1407.0 |
| 60° | 753.9 | 1292.9 | 2156.4 | 2486.9 | 2086.7 | 1191.3 | 985.9 | 1269.8 | 1104.7 | 1070.5 |
| 62.5° | 509.6 | 1084.3 | 1898.3 | 2103.2 | 1786.0 | 937.1 | 640.7 | 825.8 | 683.9 | 655.6 |
| 65° | 279.3 | 808.9 | 1533.8 | 1591.1 | 1397.9 | 654.6 | 329.6 | 358.4 | 273.0 | 260.3 |
| 67.5° | 77.1 | 563.1 | 1128.6 | 1055.6 | 980.8 | 426.3 | 85.2 | 64.0 | 45.7 | 45.3 |
| 70° | 19.4 | 372.4 | 676.2 | 697.0 | 601.4 | 273.0 | 16.3 | 7.7 | 6.1 | 5.9 |
| 72.5° | 8.2 | 160.2 | 320.9 | 368.8 | 307.8 | 126.4 | 5.9 | 2.2 | 1.8 | 1.4 |
| 75° | 1.0 | 12.8 | 27.3 | 41.4 | 28.3 | 13.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 |

(END OF REPORT)