

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: P632816

Luminaire Tested: GWS-SA2D-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7069.5 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

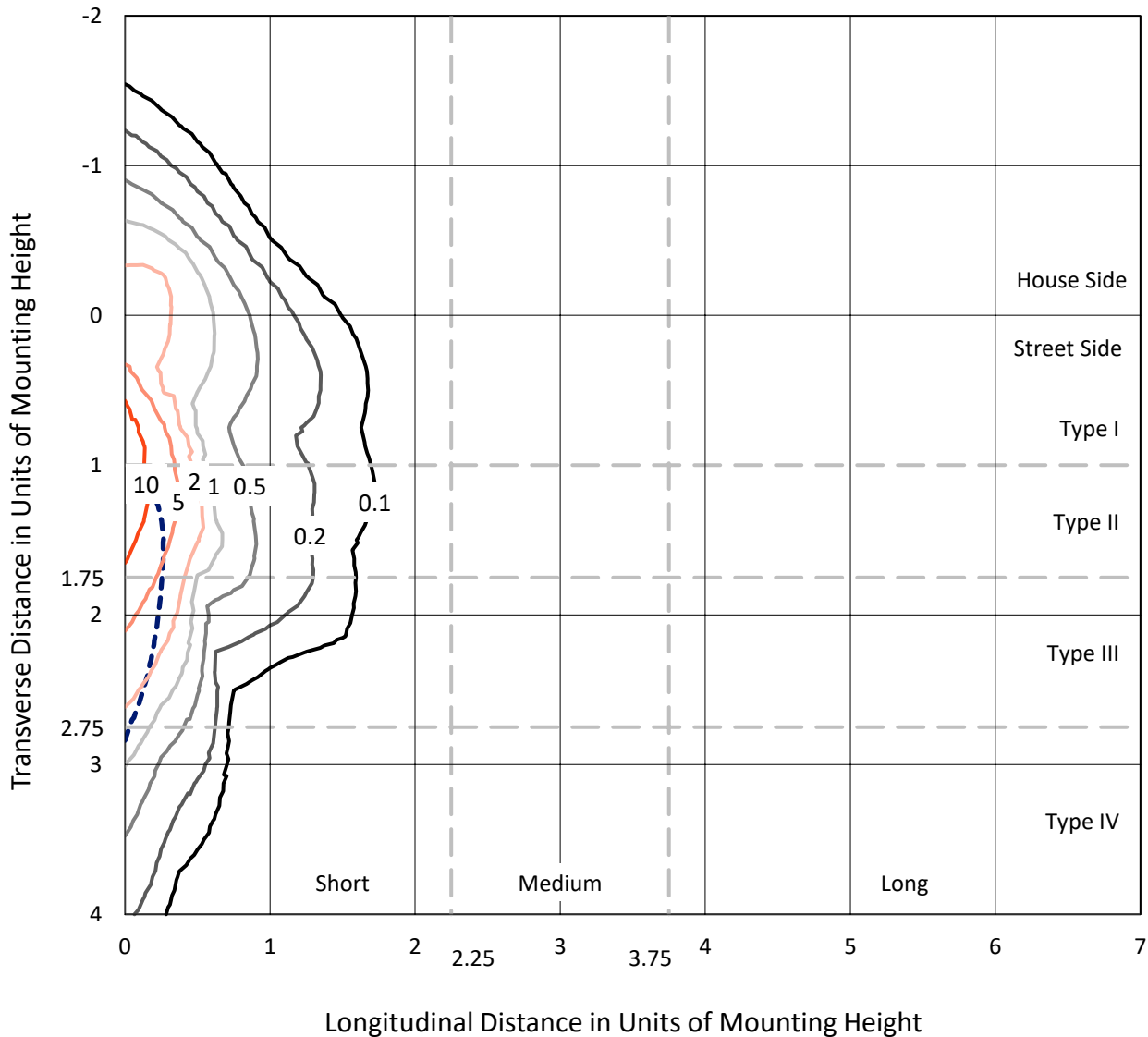
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632816
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Iso-Footcandle Lines of Horizontal Illumination

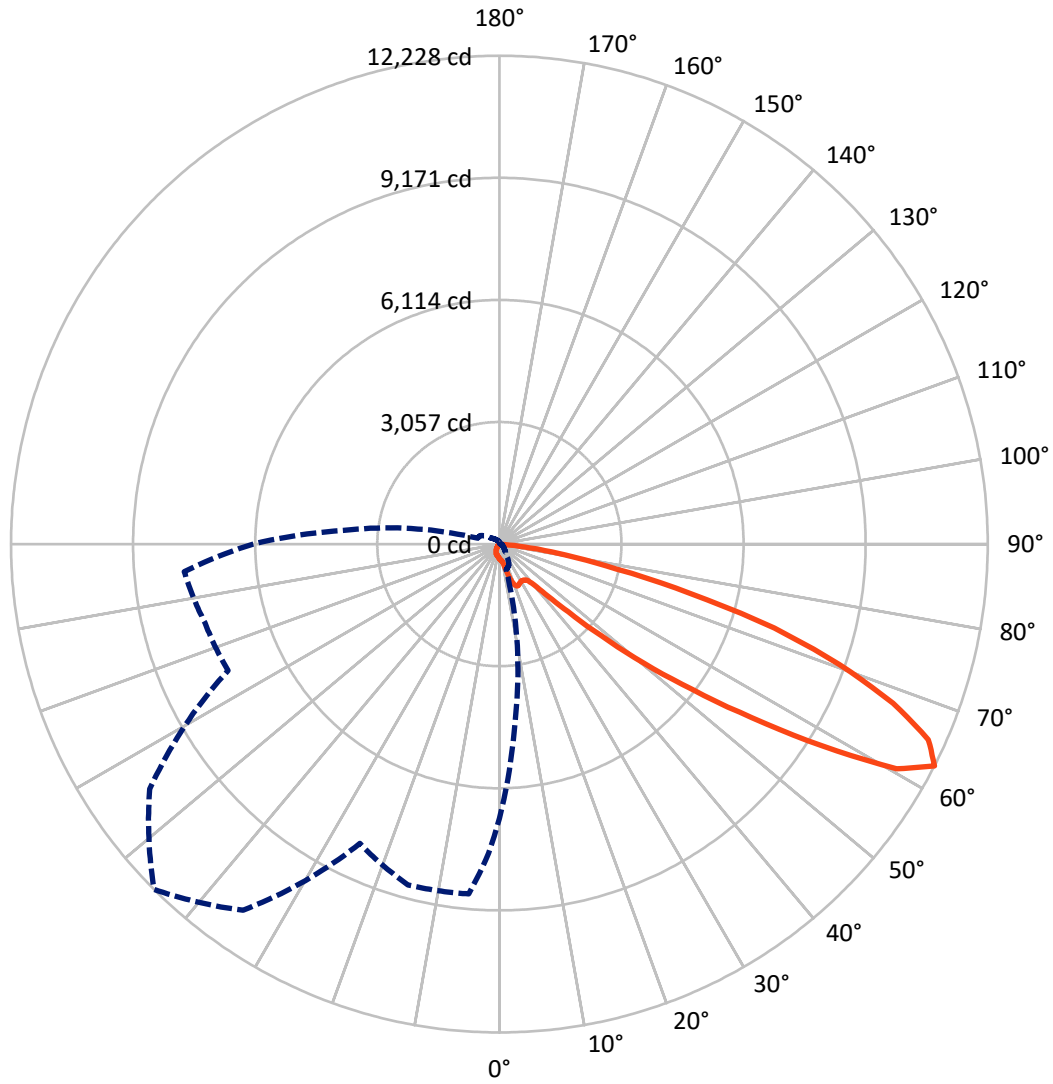
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 821.4 | 0.0 | 821.4 |
| | % Fixture | 11.6 | 0.0 | 11.6 |
| Street Side | Lumens | 6248.1 | 0.0 | 6248.1 |
| | % Fixture | 88.4 | 0.0 | 88.4 |
| Total | Lumens | 7069.5 | 0.0 | 7069.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.7 | 0.4 |
| 10°-20° | 108.5 | 1.5 |
| 20°-30° | 245.2 | 3.5 |
| 30°-40° | 422.3 | 6.0 |
| 40°-50° | 796.7 | 11.3 |
| 50°-60° | 1778.7 | 25.2 |
| 60°-70° | 2379.0 | 33.7 |
| 70°-80° | 1193.0 | 16.9 |
| 80°-90° | 114.3 | 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° | 7069.5 | 100.0 |
| 0°-180° | 7069.5 | 100.0 |

Coefficient of Utilization



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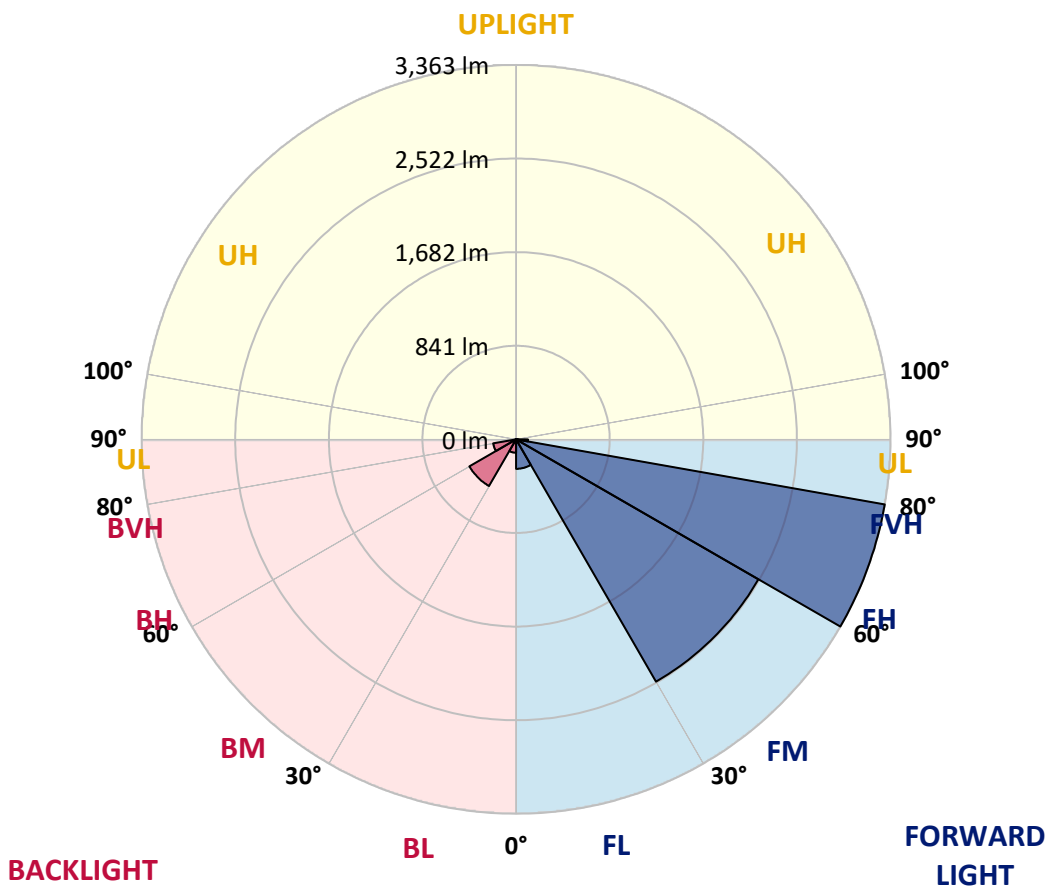
CATALOG NUMBER: GWS-SA2D-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 264.8 | 3.7 | | | |
| FM (30°-60°) | 2513.4 | 35.6 | | | |
| FH (60°-80°) | 3363.2 | 47.6 | | | G2/5000 |
| FVH (80°-90°) | 106.7 | 1.5 | | | G2/225 |
| BL (0°-30°) | 120.6 | 1.7 | B1/500 | | |
| BM (30°-60°) | 484.3 | 6.9 | B1/1000 | | |
| BH (60°-80°) | 208.9 | 3.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.6 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 |
| 2.5° | 362.4 | 361.6 | 359.9 | 354.9 | 350.7 | 348.2 | 343.2 | 343.2 | 342.4 | 340.7 | 337.3 |
| 5° | 350.7 | 347.4 | 344.0 | 334.8 | 324.8 | 318.9 | 312.2 | 311.4 | 311.4 | 309.7 | 308.9 |
| 7.5° | 332.3 | 329.0 | 324.8 | 309.7 | 300.5 | 294.6 | 288.8 | 288.0 | 285.4 | 285.4 | 285.4 |
| 10° | 322.3 | 317.2 | 310.6 | 293.8 | 284.6 | 279.6 | 275.4 | 272.9 | 271.2 | 268.7 | 267.9 |
| 12.5° | 344.0 | 334.8 | 320.6 | 290.5 | 277.9 | 271.2 | 266.2 | 264.5 | 259.5 | 256.1 | 253.6 |
| 15° | 411.8 | 389.2 | 360.8 | 298.0 | 275.4 | 265.3 | 258.7 | 255.3 | 251.1 | 245.3 | 241.1 |
| 17.5° | 523.2 | 490.5 | 442.8 | 322.3 | 272.9 | 260.3 | 252.0 | 246.1 | 240.2 | 233.5 | 228.5 |
| 20° | 677.2 | 628.6 | 571.7 | 366.6 | 272.9 | 254.5 | 244.4 | 236.9 | 228.5 | 221.0 | 215.1 |
| 22.5° | 873.1 | 824.5 | 727.4 | 442.0 | 276.2 | 246.9 | 235.2 | 225.2 | 215.1 | 208.4 | 201.7 |
| 25° | 1092.4 | 1023.7 | 933.3 | 533.2 | 285.4 | 236.9 | 224.3 | 214.3 | 205.1 | 196.7 | 189.2 |
| 27.5° | 1336.8 | 1262.3 | 1141.8 | 663.0 | 305.5 | 226.8 | 212.6 | 203.4 | 195.0 | 186.7 | 176.6 |
| 30° | 1562.0 | 1517.6 | 1394.6 | 818.6 | 338.2 | 220.1 | 203.4 | 195.0 | 186.7 | 175.8 | 166.6 |
| 32.5° | 1832.3 | 1753.7 | 1652.4 | 996.1 | 381.7 | 213.5 | 195.9 | 184.2 | 177.5 | 167.4 | 157.4 |
| 35° | 2104.4 | 2037.4 | 1904.3 | 1214.6 | 430.3 | 206.8 | 186.7 | 175.8 | 169.9 | 158.2 | 147.3 |
| 37.5° | 2384.8 | 2369.7 | 2238.3 | 1456.5 | 478.0 | 199.2 | 175.8 | 169.1 | 163.2 | 149.8 | 137.3 |
| 40° | 2661.0 | 2633.4 | 2512.0 | 1732.7 | 507.3 | 190.9 | 166.6 | 162.4 | 155.7 | 140.6 | 126.4 |
| 42.5° | 2925.5 | 2904.6 | 2786.6 | 1997.2 | 503.1 | 183.3 | 157.4 | 152.3 | 147.3 | 132.3 | 114.7 |
| 45° | 3250.3 | 3216.0 | 3067.0 | 2193.1 | 460.4 | 191.7 | 148.2 | 139.8 | 139.0 | 124.7 | 103.0 |
| 47.5° | 3858.0 | 3745.0 | 3492.2 | 2343.8 | 417.7 | 213.5 | 138.1 | 128.1 | 133.9 | 117.2 | 91.2 |
| 50° | 4709.3 | 4576.2 | 4210.4 | 2461.0 | 416.9 | 241.9 | 136.4 | 117.2 | 129.7 | 111.3 | 81.2 |
| 52.5° | 5564.8 | 5330.4 | 4885.9 | 2523.8 | 447.8 | 262.8 | 151.5 | 106.3 | 124.7 | 105.5 | 73.7 |
| 55° | 6384.3 | 5898.0 | 5168.9 | 2316.2 | 472.1 | 285.4 | 179.1 | 100.4 | 115.5 | 98.8 | 69.5 |
| 57.5° | 7165.3 | 6354.2 | 5291.9 | 1832.3 | 553.3 | 294.6 | 195.9 | 103.0 | 102.1 | 90.4 | 66.1 |
| 60° | 7272.4 | 6332.4 | 5043.3 | 1065.6 | 610.2 | 278.7 | 189.2 | 114.7 | 89.6 | 80.4 | 60.3 |
| 62.5° | 6867.3 | 5911.4 | 4476.6 | 664.6 | 566.7 | 272.9 | 168.3 | 130.6 | 81.2 | 71.2 | 52.7 |
| 65° | 6252.0 | 5250.9 | 3732.5 | 428.6 | 429.4 | 303.0 | 147.3 | 128.1 | 76.2 | 62.8 | 45.2 |
| 67.5° | 5290.3 | 4394.6 | 2940.6 | 287.1 | 242.7 | 258.7 | 128.9 | 87.9 | 74.5 | 53.6 | 35.2 |
| 70° | 3861.4 | 3128.1 | 1914.4 | 191.7 | 144.8 | 206.8 | 108.0 | 62.8 | 70.3 | 44.4 | 25.1 |
| 72.5° | 2822.6 | 2101.9 | 1068.9 | 125.6 | 82.0 | 120.5 | 79.5 | 45.2 | 54.4 | 32.6 | 17.6 |
| 75° | 2031.6 | 1446.4 | 610.2 | 80.4 | 54.4 | 66.1 | 51.9 | 31.0 | 35.2 | 25.9 | 15.9 |
| 77.5° | 977.7 | 704.8 | 277.1 | 44.4 | 36.8 | 33.5 | 27.6 | 19.3 | 21.8 | 23.4 | 14.2 |
| 80° | 36.8 | 27.6 | 20.9 | 21.8 | 23.4 | 15.1 | 12.6 | 10.0 | 12.6 | 15.9 | 7.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.5 | 3.3 | 4.2 | 5.0 | 4.2 | 5.0 | 5.9 | 0.8 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 |
| 2.5° | 339.8 | 338.2 | 339.8 | 341.5 | 343.2 | 344.9 | 342.4 | 344.0 | 345.7 | 341.5 | 343.2 |
| 5° | 313.1 | 312.2 | 317.2 | 319.8 | 323.1 | 324.8 | 323.1 | 323.1 | 322.3 | 317.2 | 317.2 |
| 7.5° | 289.6 | 290.5 | 294.6 | 300.5 | 304.7 | 307.2 | 305.5 | 304.7 | 302.2 | 294.6 | 294.6 |
| 10° | 272.0 | 272.0 | 278.7 | 283.8 | 289.6 | 292.1 | 290.5 | 288.0 | 285.4 | 277.9 | 277.1 |
| 12.5° | 257.8 | 257.8 | 262.8 | 271.2 | 277.9 | 281.3 | 280.4 | 277.1 | 272.9 | 265.3 | 264.5 |
| 15° | 244.4 | 243.6 | 251.1 | 258.7 | 267.9 | 272.0 | 270.4 | 267.9 | 260.3 | 253.6 | 252.0 |
| 17.5° | 231.0 | 230.2 | 236.9 | 246.9 | 257.0 | 262.8 | 262.0 | 256.1 | 249.4 | 241.1 | 239.4 |
| 20° | 217.6 | 216.0 | 224.3 | 234.4 | 244.4 | 250.3 | 248.6 | 243.6 | 235.2 | 226.8 | 225.2 |
| 22.5° | 204.2 | 203.4 | 209.3 | 217.6 | 226.8 | 231.9 | 231.0 | 226.8 | 218.5 | 210.9 | 210.9 |
| 25° | 189.2 | 189.2 | 193.4 | 199.2 | 205.9 | 208.4 | 209.3 | 207.6 | 202.6 | 198.4 | 198.4 |
| 27.5° | 176.6 | 174.1 | 175.8 | 177.5 | 180.8 | 185.0 | 185.0 | 186.7 | 187.5 | 185.8 | 186.7 |
| 30° | 166.6 | 162.4 | 159.9 | 156.5 | 154.9 | 156.5 | 158.2 | 164.1 | 169.9 | 173.3 | 174.9 |
| 32.5° | 154.9 | 149.8 | 143.1 | 133.9 | 128.1 | 126.4 | 131.4 | 142.3 | 153.2 | 160.7 | 164.9 |
| 35° | 143.1 | 136.4 | 123.9 | 110.5 | 103.0 | 100.4 | 106.3 | 118.9 | 134.8 | 148.2 | 154.0 |
| 37.5° | 131.4 | 122.2 | 104.6 | 88.7 | 80.4 | 78.7 | 84.5 | 97.9 | 116.4 | 134.8 | 142.3 |
| 40° | 118.0 | 107.1 | 86.2 | 69.5 | 62.8 | 61.1 | 66.1 | 79.5 | 98.8 | 119.7 | 131.4 |
| 42.5° | 104.6 | 91.2 | 69.5 | 55.2 | 48.5 | 48.5 | 55.2 | 65.3 | 82.9 | 105.5 | 119.7 |
| 45° | 91.2 | 77.0 | 56.9 | 44.4 | 40.2 | 41.0 | 45.2 | 55.2 | 69.5 | 92.9 | 106.3 |
| 47.5° | 78.7 | 66.1 | 46.9 | 36.8 | 33.5 | 34.3 | 39.3 | 47.7 | 59.4 | 80.4 | 94.6 |
| 50° | 67.8 | 56.1 | 41.0 | 31.0 | 28.5 | 30.1 | 35.2 | 42.7 | 52.7 | 71.2 | 82.9 |
| 52.5° | 61.1 | 50.2 | 37.7 | 26.8 | 25.1 | 26.8 | 31.8 | 38.5 | 47.7 | 62.8 | 74.5 |
| 55° | 57.8 | 49.4 | 37.7 | 24.3 | 21.8 | 23.4 | 28.5 | 35.2 | 42.7 | 56.9 | 67.0 |
| 57.5° | 56.9 | 51.1 | 40.2 | 21.8 | 18.4 | 20.1 | 25.1 | 31.8 | 39.3 | 51.9 | 60.3 |
| 60° | 53.6 | 48.5 | 39.3 | 17.6 | 14.2 | 16.7 | 20.9 | 27.6 | 36.0 | 48.5 | 56.1 |
| 62.5° | 46.9 | 42.7 | 34.3 | 14.2 | 10.9 | 12.6 | 17.6 | 24.3 | 32.6 | 44.4 | 52.7 |
| 65° | 38.5 | 34.3 | 26.8 | 9.2 | 6.7 | 8.4 | 13.4 | 20.9 | 28.5 | 40.2 | 47.7 |
| 67.5° | 28.5 | 24.3 | 18.4 | 5.9 | 3.3 | 5.9 | 10.9 | 17.6 | 25.9 | 36.0 | 43.5 |
| 70° | 17.6 | 14.2 | 10.0 | 3.3 | 2.5 | 5.0 | 10.0 | 16.7 | 23.4 | 33.5 | 41.0 |
| 72.5° | 10.0 | 6.7 | 4.2 | 1.7 | 2.5 | 5.0 | 10.0 | 16.7 | 22.6 | 31.8 | 38.5 |
| 75° | 7.5 | 4.2 | 1.7 | 0.8 | 1.7 | 4.2 | 9.2 | 15.1 | 21.8 | 30.1 | 36.8 |
| 77.5° | 5.0 | 2.5 | 0.8 | 0.0 | 0.8 | 3.3 | 8.4 | 14.2 | 20.1 | 28.5 | 35.2 |
| 80° | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 7.5 | 12.6 | 18.4 | 25.1 | 31.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 5.9 | 10.9 | 15.9 | 20.9 | 25.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 8.4 | 12.6 | 15.9 | 17.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 8.4 | 10.0 | 11.7 |
| 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° | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 |
| 2.5° | 342.4 | 347.4 | 347.4 | 350.7 | 354.9 | 362.4 | 366.6 | 372.5 | 376.7 | 380.9 | 382.5 |
| 5° | 316.4 | 317.2 | 318.1 | 319.8 | 324.8 | 333.2 | 340.7 | 349.9 | 360.8 | 369.1 | 374.2 |
| 7.5° | 294.6 | 294.6 | 294.6 | 297.2 | 302.2 | 308.0 | 315.6 | 328.1 | 340.7 | 350.7 | 359.1 |
| 10° | 276.2 | 278.7 | 279.6 | 283.8 | 289.6 | 297.2 | 305.5 | 316.4 | 330.6 | 344.0 | 359.1 |
| 12.5° | 264.5 | 267.0 | 271.2 | 275.4 | 281.3 | 289.6 | 298.8 | 313.1 | 342.4 | 370.0 | 401.8 |
| 15° | 253.6 | 257.0 | 262.0 | 267.9 | 274.6 | 283.8 | 293.8 | 323.1 | 391.7 | 443.6 | 493.9 |
| 17.5° | 241.9 | 246.9 | 253.6 | 259.5 | 267.9 | 277.9 | 290.5 | 347.4 | 482.1 | 568.4 | 653.7 |
| 20° | 226.8 | 233.5 | 241.1 | 250.3 | 260.3 | 272.0 | 290.5 | 397.6 | 612.7 | 736.6 | 849.6 |
| 22.5° | 212.6 | 219.3 | 228.5 | 240.2 | 252.0 | 263.7 | 294.6 | 473.8 | 781.0 | 937.5 | 1080.7 |
| 25° | 200.9 | 209.3 | 218.5 | 228.5 | 241.9 | 255.3 | 304.7 | 580.9 | 983.6 | 1185.3 | 1286.6 |
| 27.5° | 190.0 | 200.1 | 209.3 | 217.6 | 229.4 | 244.4 | 327.3 | 724.1 | 1223.0 | 1428.0 | 1507.6 |
| 30° | 179.1 | 190.9 | 200.1 | 208.4 | 220.1 | 236.1 | 361.6 | 906.5 | 1489.1 | 1688.4 | 1696.7 |
| 32.5° | 169.9 | 180.8 | 191.7 | 200.1 | 210.9 | 229.4 | 409.3 | 1120.0 | 1762.0 | 1954.5 | 1875.9 |
| 35° | 159.9 | 172.4 | 182.5 | 191.7 | 203.4 | 223.5 | 464.6 | 1350.2 | 2037.4 | 2199.0 | 2054.2 |
| 37.5° | 149.8 | 164.1 | 176.6 | 183.3 | 195.0 | 217.6 | 504.8 | 1590.4 | 2318.7 | 2437.5 | 2210.7 |
| 40° | 140.6 | 156.5 | 170.8 | 177.5 | 183.3 | 210.1 | 510.6 | 1836.5 | 2604.1 | 2672.7 | 2358.0 |
| 42.5° | 130.6 | 148.2 | 160.7 | 169.9 | 174.9 | 205.1 | 475.5 | 2044.1 | 2843.5 | 2907.1 | 2550.5 |
| 45° | 119.7 | 140.6 | 150.7 | 157.4 | 167.4 | 208.4 | 430.3 | 2204.8 | 3117.2 | 3226.9 | 2867.8 |
| 47.5° | 108.8 | 132.3 | 140.6 | 145.6 | 159.0 | 228.5 | 413.5 | 2312.0 | 3568.4 | 3796.1 | 3402.7 |
| 50° | 98.8 | 124.7 | 133.9 | 133.1 | 157.4 | 254.5 | 431.9 | 2393.2 | 4246.4 | 4514.3 | 4135.9 |
| 52.5° | 87.9 | 116.4 | 127.2 | 123.9 | 169.9 | 274.6 | 468.8 | 2457.6 | 4767.9 | 5356.4 | 5121.2 |
| 55° | 78.7 | 107.1 | 117.2 | 116.4 | 193.4 | 289.6 | 497.2 | 2117.8 | 4983.9 | 6139.0 | 6231.1 |
| 57.5° | 72.0 | 97.1 | 105.5 | 119.7 | 208.4 | 289.6 | 575.1 | 1503.4 | 4988.1 | 6714.9 | 7704.3 |
| 60° | 66.1 | 87.9 | 93.8 | 131.4 | 202.6 | 274.6 | 569.2 | 920.8 | 4597.2 | 6675.6 | 8487.8 |
| 62.5° | 61.1 | 79.5 | 87.1 | 134.8 | 179.1 | 272.0 | 514.0 | 570.9 | 3920.8 | 6167.5 | 7919.5 |
| 65° | 56.9 | 72.8 | 83.7 | 123.9 | 162.4 | 291.3 | 346.5 | 410.2 | 3180.0 | 5588.2 | 7267.4 |
| 67.5° | 52.7 | 67.0 | 88.7 | 101.3 | 147.3 | 260.3 | 250.3 | 291.3 | 2496.1 | 4952.9 | 6668.9 |
| 70° | 49.4 | 63.6 | 93.8 | 82.9 | 128.9 | 203.4 | 177.5 | 221.0 | 1911.0 | 4132.6 | 5826.0 |
| 72.5° | 46.9 | 59.4 | 78.7 | 65.3 | 104.6 | 157.4 | 123.9 | 160.7 | 1248.9 | 3226.0 | 4749.5 |
| 75° | 44.4 | 54.4 | 57.8 | 52.7 | 77.8 | 103.0 | 93.8 | 108.0 | 744.2 | 2358.0 | 3603.6 |
| 77.5° | 43.5 | 51.1 | 46.9 | 42.7 | 52.7 | 61.1 | 71.2 | 72.8 | 363.3 | 1179.4 | 1888.4 |
| 80° | 38.5 | 46.0 | 40.2 | 35.2 | 36.0 | 40.2 | 52.7 | 48.5 | 82.9 | 299.7 | 503.9 |
| 82.5° | 30.1 | 36.0 | 33.5 | 29.3 | 29.3 | 29.3 | 35.2 | 32.6 | 26.8 | 134.8 | 227.7 |
| 85° | 20.9 | 25.1 | 25.1 | 23.4 | 22.6 | 22.6 | 21.8 | 20.9 | 7.5 | 8.4 | 12.6 |
| 87.5° | 14.2 | 17.6 | 18.4 | 17.6 | 15.1 | 13.4 | 11.7 | 10.0 | 3.3 | 0.0 | 1.7 |
| 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-SA2D-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 358° | 360° |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 | 366.6 |
| 2.5° | 388.4 | 390.9 | 390.9 | 387.6 | 385.0 | 378.4 | 371.7 | 365.0 | 363.3 | 362.4 |
| 5° | 388.4 | 398.4 | 403.5 | 402.6 | 396.8 | 385.9 | 371.7 | 356.6 | 352.4 | 350.7 |
| 7.5° | 382.5 | 401.8 | 416.9 | 419.4 | 408.5 | 389.2 | 363.3 | 340.7 | 334.8 | 332.3 |
| 10° | 395.9 | 433.6 | 463.7 | 467.9 | 455.4 | 417.7 | 375.8 | 337.3 | 328.1 | 322.3 |
| 12.5° | 467.9 | 529.9 | 566.7 | 584.3 | 560.0 | 512.3 | 442.8 | 374.2 | 353.2 | 344.0 |
| 15° | 613.6 | 701.5 | 771.8 | 771.8 | 749.2 | 664.6 | 576.7 | 465.4 | 436.9 | 411.8 |
| 17.5° | 800.2 | 910.7 | 972.7 | 966.0 | 931.7 | 872.2 | 766.8 | 606.9 | 549.1 | 523.2 |
| 20° | 1012.8 | 1079.0 | 1093.2 | 1089.0 | 1074.0 | 1039.6 | 966.8 | 795.2 | 717.4 | 677.2 |
| 22.5° | 1197.0 | 1179.4 | 1158.5 | 1141.8 | 1137.6 | 1147.6 | 1137.6 | 1005.3 | 944.2 | 873.1 |
| 25° | 1321.7 | 1222.1 | 1159.3 | 1129.2 | 1143.4 | 1201.2 | 1264.0 | 1214.6 | 1166.0 | 1092.4 |
| 27.5° | 1389.5 | 1217.1 | 1126.7 | 1095.7 | 1120.0 | 1202.0 | 1338.5 | 1422.2 | 1371.9 | 1336.8 |
| 30° | 1426.4 | 1212.9 | 1105.8 | 1075.6 | 1112.5 | 1215.4 | 1390.4 | 1616.4 | 1618.0 | 1562.0 |
| 32.5° | 1479.1 | 1239.7 | 1109.9 | 1082.3 | 1131.7 | 1255.6 | 1455.7 | 1813.9 | 1862.5 | 1832.3 |
| 35° | 1538.5 | 1280.7 | 1129.2 | 1104.1 | 1165.2 | 1309.2 | 1528.5 | 2013.1 | 2114.4 | 2104.4 |
| 37.5° | 1594.6 | 1326.7 | 1174.4 | 1150.1 | 1216.3 | 1355.2 | 1598.8 | 2209.0 | 2349.6 | 2384.8 |
| 40° | 1653.2 | 1391.2 | 1313.4 | 1336.8 | 1373.6 | 1428.0 | 1661.6 | 2378.9 | 2608.3 | 2661.0 |
| 42.5° | 1791.3 | 1614.7 | 1733.6 | 1777.9 | 1782.9 | 1670.8 | 1798.9 | 2596.6 | 2862.8 | 2925.5 |
| 45° | 2099.4 | 2012.3 | 2353.0 | 2415.8 | 2383.1 | 2043.3 | 2129.5 | 2910.5 | 3218.5 | 3250.3 |
| 47.5° | 2488.6 | 2528.8 | 3200.9 | 3417.7 | 3221.9 | 2482.7 | 2530.4 | 3570.9 | 3869.8 | 3858.0 |
| 50° | 2942.3 | 3132.3 | 4163.6 | 4675.0 | 4206.3 | 3053.6 | 2992.5 | 4382.9 | 4745.3 | 4709.3 |
| 52.5° | 3478.8 | 3833.8 | 5320.4 | 6047.0 | 5603.3 | 3695.6 | 3670.5 | 5458.5 | 5679.5 | 5564.8 |
| 55° | 4154.4 | 4510.9 | 6651.3 | 7666.7 | 7035.5 | 4479.1 | 4565.4 | 6705.7 | 6748.4 | 6384.3 |
| 57.5° | 5162.2 | 5394.0 | 8220.0 | 9524.1 | 8530.5 | 5543.9 | 6169.2 | 8365.6 | 7855.0 | 7165.3 |
| 60° | 6992.0 | 6529.9 | 9735.9 | 11424.3 | 10121.0 | 7041.4 | 8284.4 | 9349.2 | 8223.3 | 7272.4 |
| 62.5° | 7629.0 | 7494.2 | 10685.1 | 12227.8 | 11190.7 | 8271.0 | 8834.4 | 8791.7 | 7746.2 | 6867.3 |
| 65° | 6663.9 | 7254.0 | 10515.2 | 11803.5 | 11053.4 | 8068.5 | 7927.8 | 8176.4 | 7208.8 | 6252.0 |
| 67.5° | 6155.8 | 6689.8 | 9871.5 | 10632.4 | 10292.6 | 7381.2 | 7066.5 | 6998.7 | 6052.0 | 5290.3 |
| 70° | 5643.5 | 6172.5 | 8938.2 | 9032.8 | 8874.6 | 6261.2 | 5847.7 | 5393.2 | 4523.5 | 3861.4 |
| 72.5° | 5027.4 | 5318.7 | 7643.2 | 7194.6 | 7015.4 | 4917.8 | 4830.7 | 4061.4 | 3390.9 | 2822.6 |
| 75° | 4384.5 | 4300.0 | 5959.1 | 4937.8 | 5071.8 | 3826.2 | 4079.9 | 2982.5 | 2484.4 | 2031.6 |
| 77.5° | 3189.2 | 3126.4 | 3991.1 | 2999.2 | 3321.5 | 2506.2 | 2251.7 | 1190.3 | 1133.4 | 977.7 |
| 80° | 1779.6 | 2145.4 | 2155.4 | 1680.8 | 2096.8 | 1634.0 | 563.3 | 39.3 | 25.1 | 36.8 |
| 82.5° | 827.0 | 922.4 | 1168.5 | 779.3 | 1196.2 | 809.4 | 116.4 | 0.0 | 0.0 | 0.0 |
| 85° | 267.9 | 391.7 | 328.1 | 114.7 | 289.6 | 273.7 | 19.3 | 0.0 | 0.0 | 0.0 |
| 87.5° | 15.9 | 32.6 | 8.4 | 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)