

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: STREETWORKS

Report Number: P387064

Luminaire Tested: GAW-SA2D-735-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-735-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11276.5 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

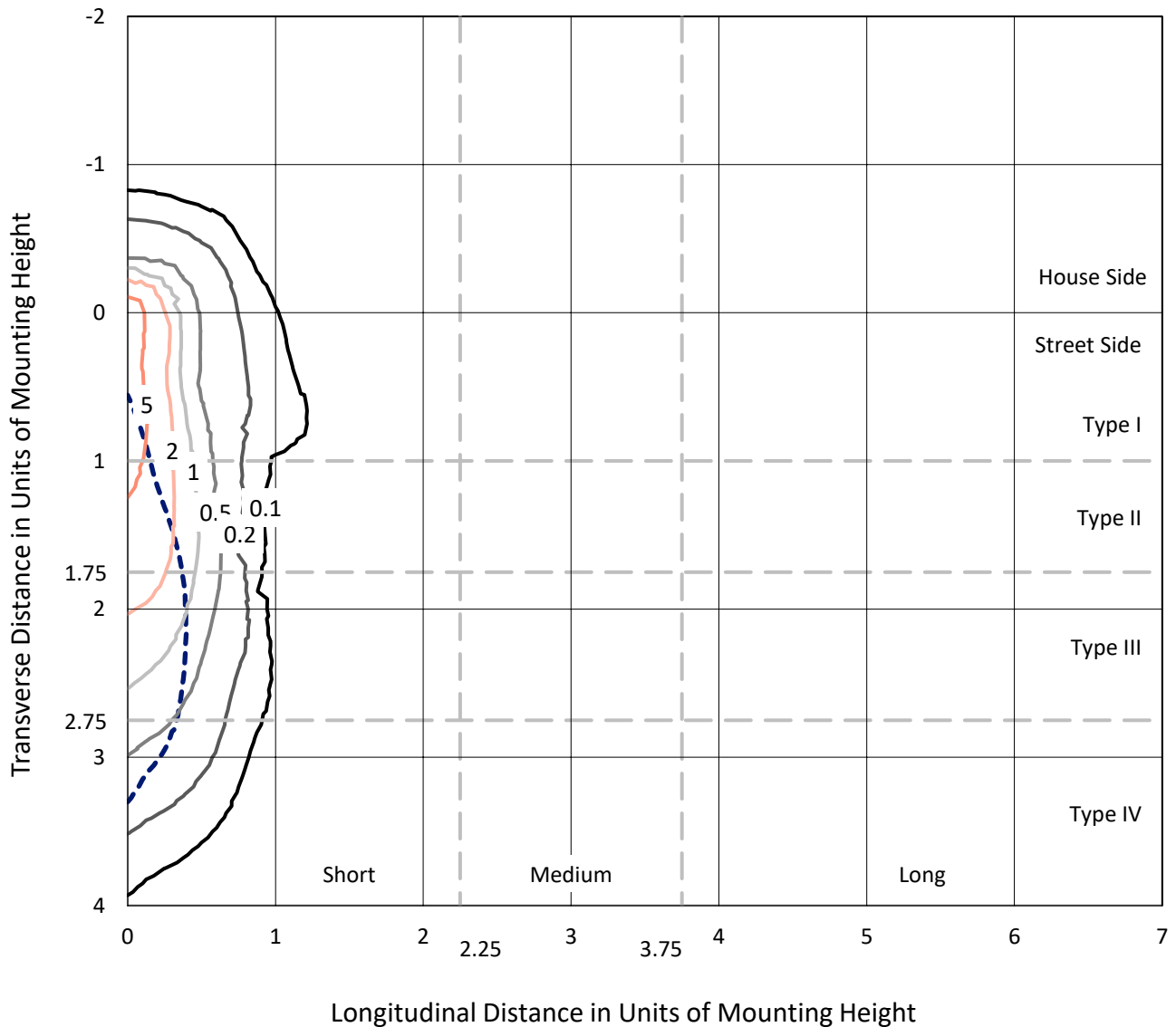
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P387064
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Iso-Footcandle Lines of Horizontal Illumination

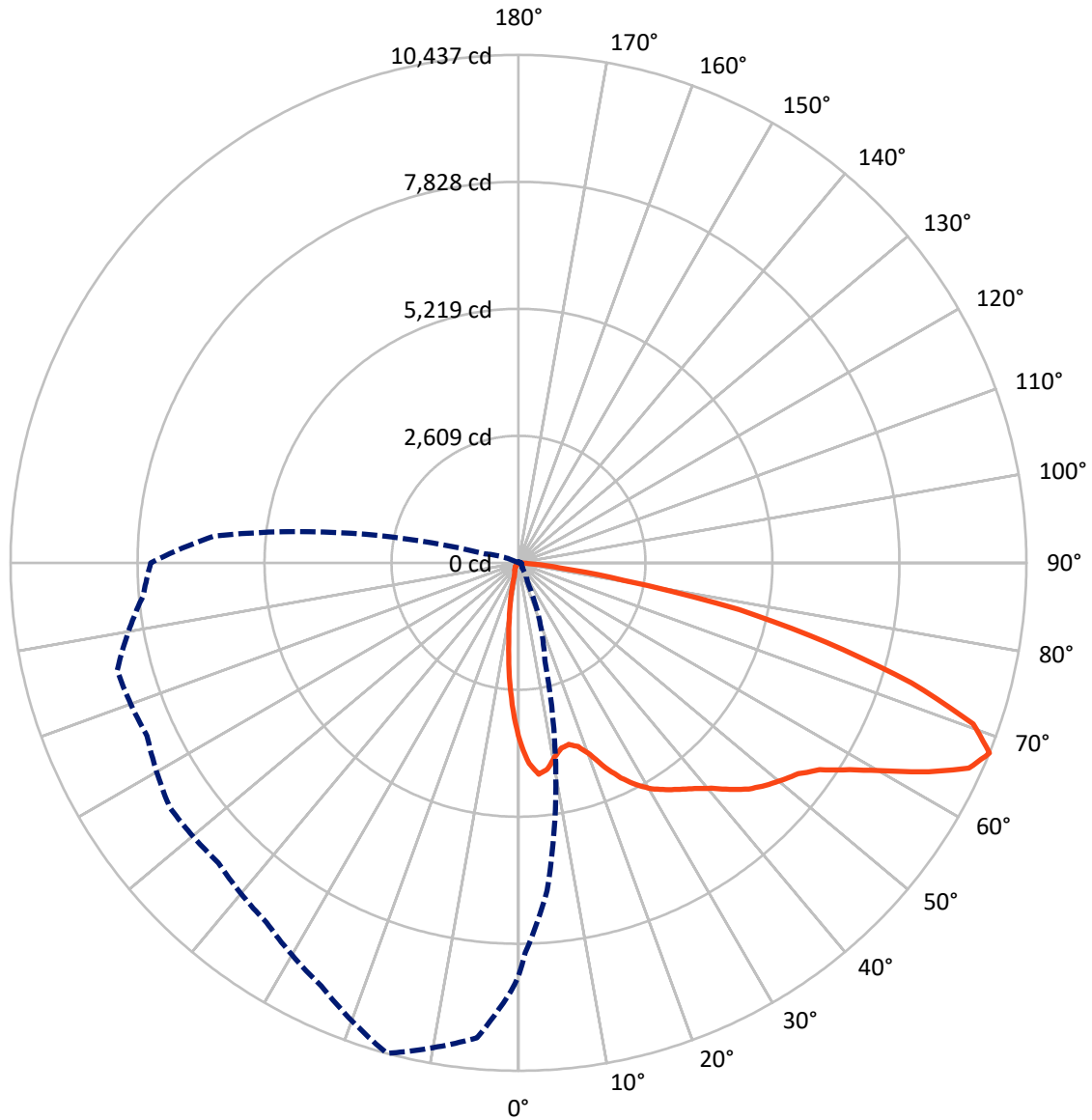
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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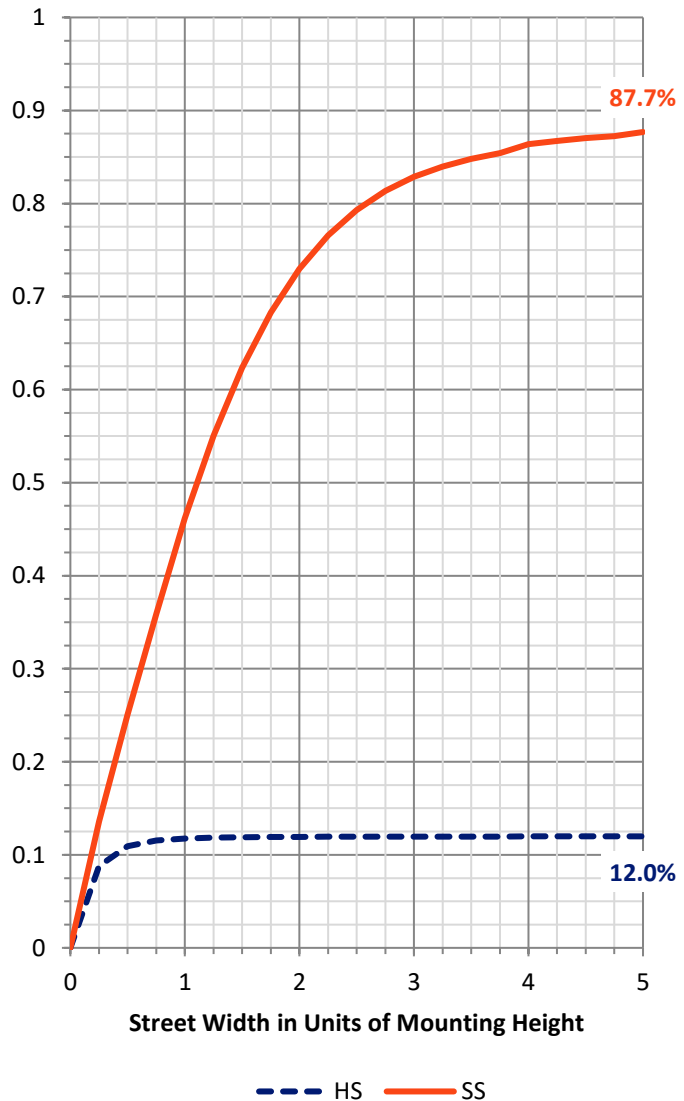
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1364.8 | 0.0 | 1364.8 |
| | % Fixture | 12.1 | 0.0 | 12.1 |
| Street Side | Lumens | 9911.7 | 0.0 | 9911.7 |
| | % Fixture | 87.9 | 0.0 | 87.9 |
| Total | Lumens | 11276.5 | 0.0 | 11276.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 281.9 | 2.5 |
| 10°-20° | 561.2 | 5.0 |
| 20°-30° | 796.8 | 7.1 |
| 30°-40° | 1177.0 | 10.4 |
| 40°-50° | 1697.5 | 15.1 |
| 50°-60° | 2382.9 | 21.1 |
| 60°-70° | 2777.8 | 24.6 |
| 70°-80° | 1420.1 | 12.6 |
| 80°-90° | 181.4 | 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° | 11276.5 | 100.0 |
| 0°-180° | 11276.5 | 100.0 |

Coefficient of Utilization

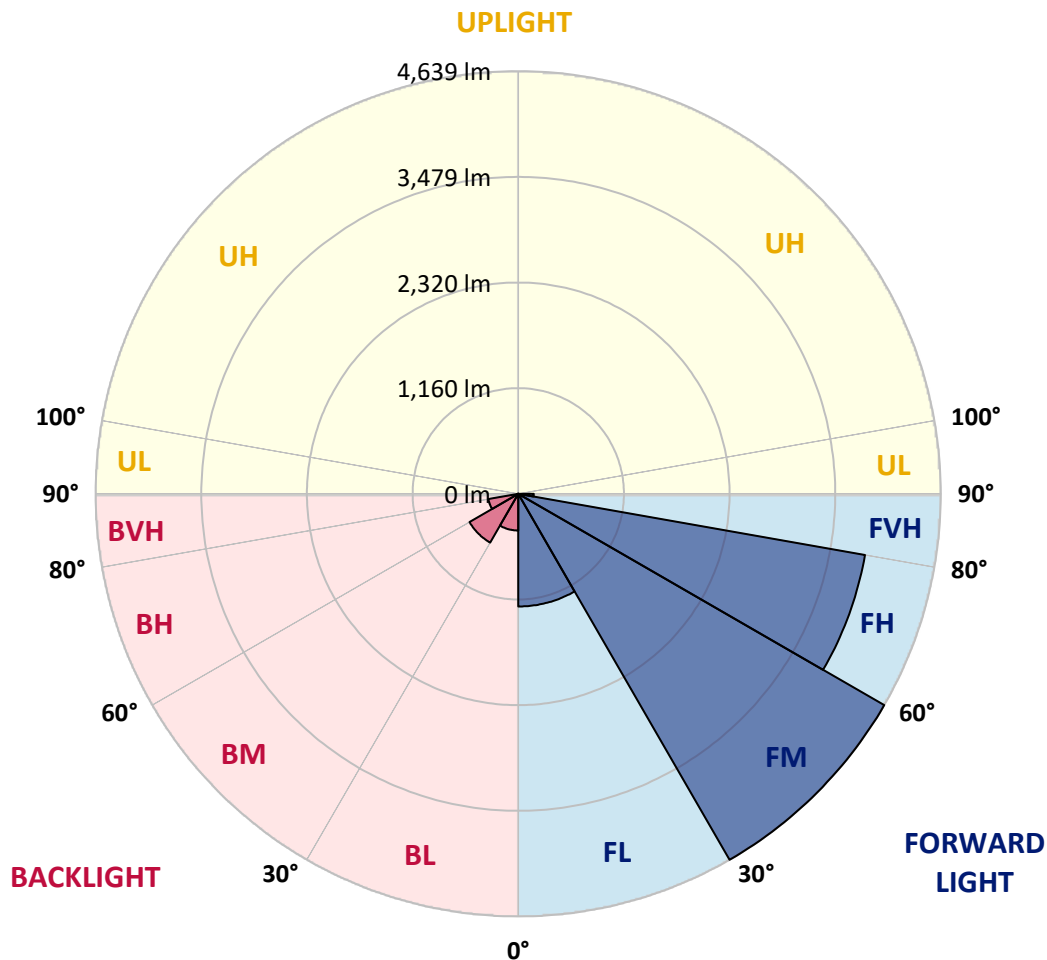


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1236.8 | 11.0 | | | |
| FM (30°-60°) | 4639.3 | 41.1 | | | |
| FH (60°-80°) | 3865.2 | 34.3 | | | G2/5000 |
| FVH (80°-90°) | 170.3 | 1.5 | | | G2/225 |
| BL (0°-30°) | 403.1 | 3.6 | B1/500 | | |
| BM (30°-60°) | 618.0 | 5.5 | B1/1000 | | |
| BH (60°-80°) | 332.7 | 2.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.0 | 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-G2
 Type IV Medium





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CATALOG NUMBER: GAW-SA2D-735-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 |
| 2.5° | 4022.1 | 3991.1 | 3957.0 | 3845.3 | 3741.7 | 3623.1 | 3526.4 | 3459.0 | 3374.7 | 3265.1 | 3237.3 |
| 5° | 3993.3 | 3960.2 | 3852.8 | 3604.4 | 3387.0 | 3175.4 | 2971.3 | 2851.6 | 2703.1 | 2552.5 | 2515.1 |
| 7.5° | 3703.2 | 3668.5 | 3513.5 | 3173.3 | 2880.6 | 2575.0 | 2310.0 | 2146.0 | 1978.2 | 1840.4 | 1767.2 |
| 10° | 3401.4 | 3363.4 | 3189.3 | 2776.4 | 2415.7 | 2139.6 | 1945.1 | 1788.6 | 1629.9 | 1482.5 | 1364.9 |
| 12.5° | 3193.6 | 3143.9 | 2954.8 | 2486.8 | 2172.6 | 1985.1 | 1803.5 | 1616.0 | 1401.3 | 1243.1 | 1113.8 |
| 15° | 3106.5 | 3049.8 | 2850.0 | 2375.2 | 2086.7 | 1866.6 | 1629.9 | 1399.7 | 1148.0 | 966.9 | 848.4 |
| 17.5° | 3173.8 | 3100.1 | 2885.8 | 2367.6 | 1978.7 | 1679.1 | 1379.9 | 1109.6 | 836.6 | 653.3 | 568.9 |
| 20° | 3402.5 | 3305.7 | 3033.9 | 2365.5 | 1847.9 | 1456.2 | 1077.0 | 771.4 | 551.3 | 443.4 | 399.1 |
| 22.5° | 3762.6 | 3634.8 | 3246.5 | 2382.6 | 1712.7 | 1222.3 | 777.8 | 524.1 | 414.0 | 357.9 | 331.8 |
| 25° | 4197.4 | 4049.4 | 3552.6 | 2443.0 | 1594.2 | 994.7 | 565.2 | 414.0 | 349.4 | 308.2 | 286.3 |
| 27.5° | 4610.8 | 4490.7 | 3939.3 | 2530.1 | 1502.2 | 811.0 | 458.9 | 351.0 | 298.6 | 271.4 | 253.7 |
| 30° | 5023.8 | 4872.6 | 4336.2 | 2633.7 | 1391.6 | 686.5 | 403.4 | 320.0 | 267.6 | 238.8 | 227.6 |
| 32.5° | 5324.0 | 5198.5 | 4647.2 | 2708.5 | 1273.5 | 605.3 | 360.6 | 292.7 | 250.0 | 220.7 | 204.0 |
| 35° | 5677.1 | 5535.0 | 4913.8 | 2725.1 | 1197.7 | 554.0 | 324.3 | 263.4 | 216.9 | 190.7 | 173.1 |
| 37.5° | 6058.6 | 5881.7 | 5221.4 | 2688.7 | 1138.5 | 528.9 | 297.0 | 250.0 | 202.4 | 175.8 | 157.1 |
| 40° | 6480.6 | 6280.8 | 5516.9 | 2636.4 | 1080.2 | 520.3 | 276.2 | 239.8 | 191.3 | 164.0 | 144.8 |
| 42.5° | 6925.1 | 6689.5 | 5772.8 | 2581.4 | 1043.3 | 490.9 | 274.0 | 229.7 | 182.7 | 153.3 | 134.1 |
| 45° | 7298.5 | 7059.7 | 6035.6 | 2563.2 | 1017.2 | 458.9 | 283.1 | 222.7 | 176.8 | 144.8 | 126.1 |
| 47.5° | 7596.0 | 7370.1 | 6304.8 | 2603.8 | 1002.2 | 429.5 | 258.1 | 231.8 | 173.6 | 137.3 | 119.1 |
| 50° | 7951.3 | 7695.4 | 6684.2 | 2725.1 | 980.3 | 400.1 | 233.4 | 265.5 | 173.6 | 132.5 | 113.3 |
| 52.5° | 8396.9 | 8143.6 | 7107.3 | 2913.1 | 936.5 | 359.5 | 210.0 | 266.0 | 175.2 | 126.1 | 105.8 |
| 55° | 8957.2 | 8773.5 | 7711.5 | 3119.4 | 866.5 | 299.7 | 181.7 | 228.6 | 168.8 | 114.3 | 98.8 |
| 57.5° | 9494.6 | 9344.5 | 8262.3 | 3260.4 | 773.0 | 234.0 | 158.1 | 184.3 | 154.4 | 100.4 | 88.1 |
| 59° | 9641.6 | 9477.5 | 8464.2 | 3266.7 | 703.0 | 204.0 | 146.4 | 152.3 | 151.1 | 94.0 | 81.7 |
| 60° | 9641.6 | 9467.4 | 8522.4 | 3232.5 | 652.3 | 187.5 | 138.9 | 135.6 | 157.6 | 89.7 | 78.0 |
| 62.5° | 9466.9 | 9222.2 | 8333.3 | 3001.3 | 532.1 | 159.7 | 121.3 | 112.2 | 141.6 | 80.7 | 69.0 |
| 65° | 9103.7 | 8747.4 | 7689.0 | 2583.0 | 474.4 | 146.4 | 104.7 | 91.9 | 98.3 | 71.0 | 60.4 |
| 67.5° | 8497.9 | 8014.9 | 6760.0 | 2086.7 | 451.4 | 142.6 | 90.3 | 78.0 | 74.2 | 60.9 | 52.9 |
| 70° | 7431.0 | 6895.2 | 5632.3 | 1640.6 | 431.7 | 141.0 | 75.9 | 65.7 | 59.8 | 51.3 | 44.9 |
| 72.5° | 5408.5 | 4849.6 | 3998.6 | 1282.6 | 419.9 | 144.2 | 60.9 | 55.0 | 49.1 | 40.1 | 34.8 |
| 75° | 3093.7 | 2727.7 | 2247.5 | 847.2 | 357.9 | 137.8 | 47.0 | 45.9 | 35.2 | 28.8 | 24.0 |
| 77.5° | 1598.4 | 1549.8 | 1346.8 | 325.3 | 171.4 | 60.4 | 31.0 | 26.7 | 20.9 | 17.7 | 14.5 |
| 80° | 689.7 | 682.2 | 590.3 | 94.0 | 45.4 | 33.6 | 17.7 | 11.2 | 9.6 | 7.5 | 5.9 |
| 82.5° | 238.2 | 238.2 | 210.0 | 31.6 | 20.3 | 16.5 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 48.1 | 53.9 | 38.0 | 0.0 | 7.0 | 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° | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 |
| 2.5° | 3203.7 | 3139.1 | 3134.8 | 3094.2 | 3043.4 | 3020.4 | 3007.1 | 3030.7 | 3059.5 | 3062.7 | 3105.9 |
| 5° | 2486.8 | 2418.9 | 2447.2 | 2375.2 | 2389.5 | 2375.2 | 2351.7 | 2355.9 | 2368.8 | 2328.7 | 2378.4 |
| 7.5° | 1746.3 | 1695.0 | 1727.6 | 1708.5 | 1734.1 | 1744.3 | 1729.8 | 1708.5 | 1645.4 | 1637.9 | 1681.2 |
| 10° | 1316.3 | 1258.1 | 1223.4 | 1187.0 | 1195.0 | 1211.6 | 1206.3 | 1190.8 | 1150.7 | 1152.8 | 1194.5 |
| 12.5° | 1057.8 | 992.6 | 923.7 | 834.5 | 812.6 | 824.9 | 812.6 | 803.5 | 765.0 | 768.2 | 805.1 |
| 15° | 802.4 | 749.0 | 676.8 | 605.3 | 566.3 | 570.0 | 535.8 | 511.8 | 487.7 | 458.9 | 481.3 |
| 17.5° | 541.7 | 509.2 | 487.7 | 466.4 | 419.9 | 409.2 | 365.9 | 319.5 | 301.3 | 287.9 | 297.6 |
| 20° | 383.6 | 365.9 | 357.4 | 356.3 | 329.6 | 316.3 | 274.0 | 245.2 | 236.2 | 233.4 | 239.4 |
| 22.5° | 320.5 | 307.7 | 295.4 | 288.5 | 275.1 | 259.6 | 227.6 | 213.1 | 206.8 | 203.6 | 207.8 |
| 25° | 278.9 | 269.2 | 256.5 | 244.7 | 239.4 | 222.7 | 199.8 | 189.1 | 184.9 | 181.7 | 183.7 |
| 27.5° | 247.9 | 239.4 | 224.3 | 216.9 | 212.6 | 198.2 | 178.4 | 169.8 | 166.2 | 165.1 | 164.6 |
| 30° | 223.3 | 215.3 | 201.4 | 192.9 | 185.3 | 172.6 | 160.8 | 152.3 | 148.5 | 147.5 | 146.4 |
| 32.5° | 198.8 | 192.3 | 183.3 | 174.7 | 166.6 | 154.9 | 144.8 | 137.8 | 132.0 | 130.9 | 130.4 |
| 35° | 167.8 | 161.3 | 156.5 | 156.0 | 148.5 | 137.3 | 129.8 | 120.7 | 115.9 | 114.3 | 114.9 |
| 37.5° | 149.1 | 140.5 | 129.8 | 133.6 | 131.4 | 123.4 | 113.3 | 104.2 | 99.4 | 98.3 | 98.3 |
| 40° | 137.3 | 128.2 | 115.9 | 109.5 | 115.9 | 114.3 | 98.3 | 89.2 | 84.5 | 83.9 | 82.8 |
| 42.5° | 126.1 | 117.0 | 103.1 | 92.4 | 95.6 | 100.4 | 84.9 | 76.4 | 71.6 | 70.5 | 69.0 |
| 45° | 118.1 | 108.4 | 93.0 | 80.7 | 74.2 | 84.5 | 72.6 | 62.0 | 59.3 | 57.1 | 56.1 |
| 47.5° | 110.6 | 101.5 | 83.9 | 70.0 | 59.3 | 60.9 | 58.2 | 50.7 | 47.5 | 45.4 | 44.9 |
| 50° | 104.2 | 94.6 | 75.9 | 59.8 | 49.1 | 44.9 | 47.0 | 40.1 | 37.4 | 35.2 | 34.2 |
| 52.5° | 96.7 | 87.6 | 67.4 | 51.9 | 41.1 | 35.2 | 35.8 | 31.6 | 28.8 | 27.2 | 26.7 |
| 55° | 90.8 | 81.7 | 60.4 | 45.4 | 36.4 | 28.8 | 25.6 | 24.6 | 23.0 | 21.9 | 21.3 |
| 57.5° | 82.8 | 74.2 | 53.5 | 38.4 | 31.0 | 23.5 | 19.7 | 19.7 | 19.3 | 18.1 | 17.7 |
| 59° | 78.0 | 70.5 | 49.1 | 34.8 | 28.3 | 20.3 | 17.7 | 18.1 | 17.7 | 16.5 | 16.1 |
| 60° | 74.2 | 67.4 | 45.9 | 32.0 | 26.7 | 18.7 | 16.1 | 17.1 | 16.5 | 15.5 | 14.9 |
| 62.5° | 65.7 | 60.9 | 39.5 | 26.7 | 23.5 | 14.9 | 13.3 | 14.5 | 14.5 | 13.9 | 13.3 |
| 65° | 57.7 | 52.3 | 33.6 | 22.5 | 21.9 | 12.8 | 10.7 | 12.8 | 13.3 | 12.3 | 11.2 |
| 67.5° | 50.3 | 44.9 | 29.4 | 18.1 | 20.3 | 10.1 | 8.0 | 10.7 | 14.5 | 11.2 | 10.1 |
| 70° | 42.7 | 37.4 | 23.0 | 14.5 | 21.3 | 7.0 | 6.4 | 9.6 | 17.1 | 12.3 | 9.6 |
| 72.5° | 33.2 | 28.8 | 16.1 | 10.7 | 23.0 | 4.8 | 4.8 | 8.0 | 19.3 | 13.3 | 9.1 |
| 75° | 23.0 | 18.7 | 9.6 | 6.4 | 18.7 | 3.2 | 3.2 | 7.5 | 18.1 | 12.3 | 8.5 |
| 77.5° | 13.3 | 10.1 | 3.2 | 0.6 | 9.6 | 0.0 | 0.6 | 5.4 | 12.8 | 7.5 | 3.8 |
| 80° | 4.8 | 2.2 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 1.0 | 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: GAW-SA2D-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 |
| 2.5° | 3117.2 | 3189.3 | 3254.0 | 3351.7 | 3467.6 | 3601.2 | 3716.1 | 3839.4 | 3955.3 | 4003.4 | 4036.6 |
| 5° | 2388.5 | 2477.7 | 2581.9 | 2725.6 | 2916.8 | 3152.4 | 3373.1 | 3622.6 | 3890.7 | 4024.8 | 4150.9 |
| 7.5° | 1688.7 | 1779.5 | 1908.8 | 2061.6 | 2292.9 | 2573.4 | 2861.8 | 3206.3 | 3569.7 | 3781.7 | 3990.6 |
| 10° | 1214.3 | 1326.0 | 1446.7 | 1655.6 | 1890.6 | 2156.7 | 2453.7 | 2838.3 | 3243.3 | 3478.3 | 3730.0 |
| 12.5° | 826.5 | 953.6 | 1136.3 | 1370.3 | 1646.5 | 1907.2 | 2165.2 | 2532.2 | 3002.3 | 3235.3 | 3505.0 |
| 15° | 495.7 | 566.3 | 759.7 | 1030.5 | 1369.2 | 1694.0 | 1976.6 | 2344.7 | 2845.8 | 3131.1 | 3411.5 |
| 17.5° | 305.6 | 338.2 | 443.4 | 665.7 | 1021.4 | 1432.2 | 1819.5 | 2281.1 | 2868.3 | 3215.5 | 3515.7 |
| 20° | 243.6 | 256.5 | 290.1 | 393.2 | 676.8 | 1143.8 | 1642.7 | 2268.3 | 3051.4 | 3478.9 | 3801.0 |
| 22.5° | 211.6 | 223.9 | 246.3 | 285.8 | 425.7 | 856.4 | 1474.9 | 2280.0 | 3314.3 | 3873.6 | 4249.7 |
| 25° | 186.5 | 197.1 | 218.5 | 251.1 | 312.0 | 603.1 | 1295.5 | 2332.4 | 3656.8 | 4363.5 | 4763.1 |
| 27.5° | 166.6 | 175.8 | 195.5 | 225.5 | 267.6 | 420.9 | 1092.0 | 2396.0 | 4062.8 | 4864.6 | 5258.8 |
| 30° | 148.5 | 156.5 | 174.2 | 202.0 | 232.4 | 323.7 | 868.7 | 2439.2 | 4469.3 | 5258.8 | 5613.1 |
| 32.5° | 133.0 | 138.9 | 154.9 | 178.4 | 202.0 | 258.1 | 660.3 | 2432.3 | 4771.1 | 5586.9 | 5867.8 |
| 35° | 117.0 | 122.9 | 136.8 | 157.1 | 175.8 | 213.1 | 519.3 | 2302.5 | 5033.9 | 5927.2 | 6159.5 |
| 37.5° | 99.4 | 106.8 | 120.2 | 138.4 | 151.1 | 187.5 | 419.9 | 2146.0 | 5300.5 | 6316.1 | 6484.9 |
| 40° | 84.5 | 91.9 | 103.6 | 123.4 | 131.4 | 177.9 | 322.7 | 1955.3 | 5600.2 | 6751.0 | 6841.8 |
| 42.5° | 70.0 | 76.9 | 89.2 | 106.3 | 123.9 | 153.3 | 238.8 | 1737.3 | 5888.2 | 7122.8 | 7167.1 |
| 45° | 56.6 | 63.6 | 76.4 | 93.5 | 132.5 | 127.1 | 184.9 | 1503.8 | 6120.5 | 7432.1 | 7446.5 |
| 47.5° | 44.9 | 51.3 | 64.6 | 88.1 | 123.4 | 101.5 | 132.0 | 1320.6 | 6315.5 | 7673.5 | 7635.6 |
| 50° | 34.8 | 40.1 | 53.9 | 101.0 | 107.9 | 83.9 | 99.9 | 1259.7 | 6490.3 | 7823.1 | 7724.8 |
| 52.5° | 27.2 | 32.0 | 44.3 | 94.6 | 83.9 | 69.4 | 83.9 | 1316.8 | 6729.5 | 7947.1 | 7775.0 |
| 55° | 21.9 | 26.7 | 34.8 | 53.9 | 57.1 | 58.8 | 71.6 | 1370.3 | 7142.5 | 8237.6 | 8071.6 |
| 57.5° | 18.1 | 23.0 | 28.3 | 38.0 | 43.3 | 49.7 | 63.6 | 1376.1 | 7629.2 | 8720.6 | 8563.5 |
| 59° | 16.5 | 20.9 | 25.6 | 33.6 | 38.0 | 45.4 | 59.8 | 1344.1 | 7800.6 | 8896.3 | 8817.8 |
| 60° | 15.5 | 19.7 | 24.0 | 31.0 | 35.2 | 42.7 | 57.7 | 1313.6 | 7808.1 | 8890.0 | 8926.3 |
| 62.5° | 13.3 | 17.7 | 21.3 | 26.2 | 29.9 | 36.4 | 51.9 | 1200.9 | 7491.9 | 8598.8 | 8861.1 |
| 65° | 11.7 | 15.5 | 19.3 | 22.5 | 25.6 | 32.6 | 47.0 | 995.3 | 6951.8 | 8129.2 | 8415.0 |
| 67.5° | 10.7 | 13.3 | 17.7 | 19.7 | 23.0 | 28.8 | 41.7 | 709.4 | 6277.1 | 7554.9 | 7740.3 |
| 70° | 9.6 | 12.8 | 16.1 | 18.1 | 20.9 | 25.1 | 35.8 | 407.6 | 5300.5 | 6714.0 | 6846.0 |
| 72.5° | 9.1 | 12.3 | 14.5 | 17.1 | 18.7 | 22.5 | 32.6 | 191.8 | 3881.1 | 5378.5 | 5723.1 |
| 75° | 8.0 | 11.2 | 13.3 | 16.1 | 17.7 | 20.3 | 27.8 | 91.9 | 2581.4 | 3892.3 | 4283.9 |
| 77.5° | 4.8 | 9.1 | 12.3 | 14.5 | 15.5 | 17.7 | 23.0 | 52.9 | 1647.5 | 2694.1 | 3173.3 |
| 80° | 0.0 | 3.2 | 9.1 | 12.3 | 13.3 | 14.9 | 17.7 | 41.7 | 881.4 | 1539.1 | 1847.3 |
| 82.5° | 0.0 | 0.0 | 6.4 | 9.6 | 9.1 | 10.1 | 13.3 | 26.2 | 397.5 | 1005.9 | 1133.7 |
| 85° | 0.0 | 0.0 | 2.2 | 7.5 | 6.4 | 4.8 | 9.1 | 9.1 | 87.1 | 509.2 | 635.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.6 | 3.2 | 2.2 | 3.8 | 1.0 | 0.6 | 38.0 | 153.9 |
| 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):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| 0° | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 | 3673.3 |
| 2.5° | 4152.5 | 4192.0 | 4258.8 | 4290.3 | 4274.8 | 4209.1 | 4130.6 | 4050.5 | 4003.4 | 4022.1 |
| 5° | 4407.8 | 4611.4 | 4728.9 | 4767.9 | 4702.7 | 4555.3 | 4362.5 | 4108.2 | 4017.9 | 3993.3 |
| 7.5° | 4407.8 | 4790.9 | 5033.5 | 5076.1 | 4930.9 | 4641.8 | 4280.2 | 3883.3 | 3751.3 | 3703.2 |
| 10° | 4252.9 | 4774.3 | 5112.5 | 5180.3 | 4977.3 | 4545.2 | 4060.6 | 3607.6 | 3451.1 | 3401.4 |
| 12.5° | 4078.2 | 4639.7 | 4996.0 | 5089.5 | 4922.8 | 4449.0 | 3908.3 | 3421.2 | 3236.9 | 3193.6 |
| 15° | 3970.8 | 4474.1 | 4769.0 | 4836.8 | 4766.3 | 4392.9 | 3872.0 | 3365.0 | 3148.2 | 3106.5 |
| 17.5° | 4009.3 | 4345.9 | 4452.2 | 4491.7 | 4539.2 | 4373.2 | 3970.8 | 3487.9 | 3213.3 | 3173.8 |
| 20° | 4154.1 | 4210.7 | 4155.7 | 4205.4 | 4333.6 | 4392.3 | 4206.4 | 3784.9 | 3455.4 | 3402.5 |
| 22.5° | 4399.8 | 4140.8 | 3986.3 | 4006.1 | 4162.1 | 4455.9 | 4566.5 | 4209.1 | 3828.8 | 3762.6 |
| 25° | 4686.2 | 4197.4 | 3892.3 | 3874.7 | 4035.0 | 4539.8 | 4895.6 | 4670.7 | 4270.6 | 4197.4 |
| 27.5° | 5046.2 | 4324.5 | 3873.1 | 3855.5 | 3990.6 | 4618.3 | 5169.1 | 5126.9 | 4735.9 | 4610.8 |
| 30° | 5324.0 | 4449.5 | 3930.2 | 3889.7 | 4035.0 | 4672.8 | 5388.6 | 5514.2 | 5106.6 | 5023.8 |
| 32.5° | 5523.3 | 4596.9 | 4023.2 | 3964.4 | 4160.0 | 4766.9 | 5558.0 | 5869.0 | 5449.6 | 5324.0 |
| 35° | 5675.0 | 4757.2 | 4173.4 | 4076.6 | 4332.0 | 4909.5 | 5716.7 | 6246.6 | 5814.5 | 5677.1 |
| 37.5° | 5817.1 | 4982.2 | 4407.8 | 4292.5 | 4601.8 | 5139.2 | 5884.5 | 6675.1 | 6222.5 | 6058.6 |
| 40° | 6015.3 | 5236.9 | 4769.5 | 4666.9 | 5055.3 | 5452.2 | 6093.8 | 7121.6 | 6686.8 | 6480.6 |
| 42.5° | 6213.5 | 5510.5 | 5139.7 | 5167.5 | 5621.1 | 5832.6 | 6364.1 | 7594.0 | 7145.2 | 6925.1 |
| 45° | 6394.6 | 5792.6 | 5667.0 | 5795.2 | 6146.2 | 6249.9 | 6632.9 | 7867.0 | 7511.1 | 7298.5 |
| 47.5° | 6555.9 | 6145.1 | 6191.1 | 6532.5 | 6743.4 | 6627.5 | 6833.7 | 8102.6 | 7783.5 | 7596.0 |
| 50° | 6743.4 | 6601.3 | 6881.8 | 7364.8 | 7431.0 | 6969.5 | 7016.4 | 8381.4 | 8102.0 | 7951.3 |
| 52.5° | 6948.6 | 7082.2 | 7646.9 | 8072.6 | 8051.3 | 7340.7 | 7200.2 | 8693.9 | 8538.4 | 8396.9 |
| 55° | 7181.5 | 7470.5 | 8320.5 | 8735.0 | 8716.8 | 7755.3 | 7504.7 | 9080.1 | 9085.4 | 8957.2 |
| 57.5° | 7527.2 | 7805.0 | 8777.8 | 9270.9 | 9301.3 | 8233.9 | 8020.7 | 9512.9 | 9580.1 | 9494.6 |
| 59° | 7775.0 | 8021.9 | 8958.9 | 9494.6 | 9618.6 | 8604.1 | 8397.9 | 9764.0 | 9719.6 | 9641.6 |
| 60° | 7958.8 | 8159.7 | 9048.6 | 9611.7 | 9803.0 | 8855.2 | 8676.2 | 9911.4 | 9736.2 | 9641.6 |
| 62.5° | 8413.4 | 8459.9 | 9210.5 | 9744.1 | 10015.0 | 9412.9 | 9459.4 | 10162.5 | 9621.3 | 9466.9 |
| 65° | 8625.5 | 8649.6 | 9208.3 | 9506.9 | 9809.9 | 9847.3 | 10170.0 | 10170.0 | 9340.9 | 9103.7 |
| 67.5° | 8536.8 | 8420.9 | 8751.6 | 8720.6 | 9023.0 | 9589.2 | 10437.0 | 9797.0 | 8804.5 | 8497.9 |
| 70° | 7815.7 | 7369.5 | 7222.6 | 7236.0 | 7467.3 | 8340.8 | 9908.2 | 8699.7 | 7789.5 | 7431.0 |
| 72.5° | 6503.0 | 5433.0 | 5070.3 | 5484.3 | 5544.7 | 6410.1 | 8443.8 | 6551.7 | 5744.5 | 5408.5 |
| 75° | 5230.5 | 3829.8 | 3240.1 | 3677.1 | 3779.6 | 4691.0 | 6531.9 | 4080.4 | 3355.4 | 3093.7 |
| 77.5° | 3757.7 | 2749.1 | 2324.9 | 2294.5 | 2426.9 | 2975.1 | 4634.9 | 2053.5 | 1712.7 | 1598.4 |
| 80° | 2134.8 | 1809.4 | 1948.3 | 1838.2 | 1905.0 | 1860.2 | 2202.0 | 900.7 | 737.8 | 689.7 |
| 82.5° | 1288.6 | 1069.5 | 1158.2 | 964.3 | 1220.2 | 1062.5 | 848.4 | 288.5 | 250.5 | 238.2 |
| 85° | 838.2 | 584.4 | 304.6 | 204.0 | 420.5 | 679.0 | 189.7 | 78.5 | 60.4 | 48.1 |
| 87.5° | 289.1 | 149.1 | 14.9 | 6.4 | 44.9 | 126.6 | 7.0 | 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)