

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P458642

Luminaire Tested: **GALN-SA2A-735-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

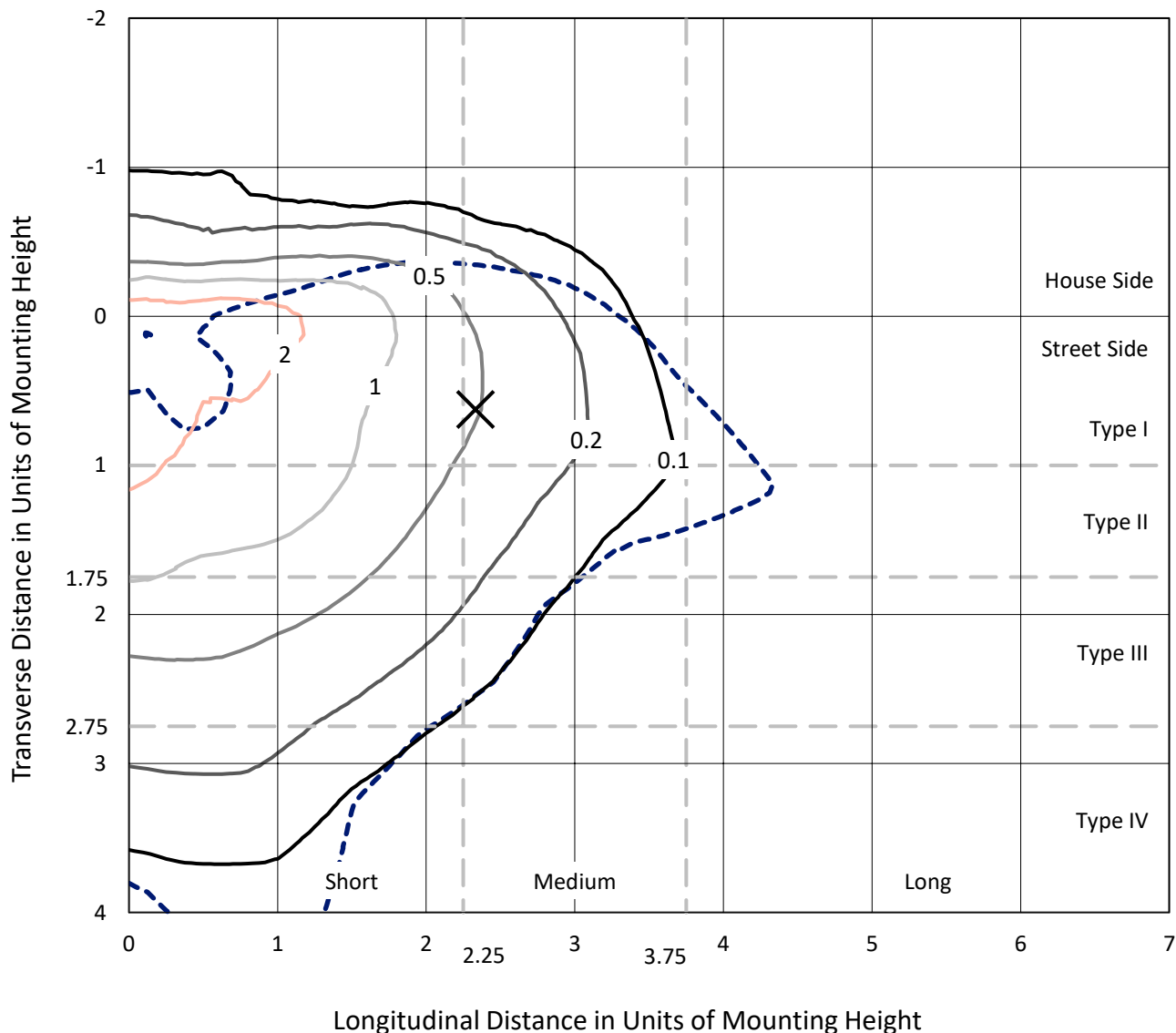
Input Watts (W): 63
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

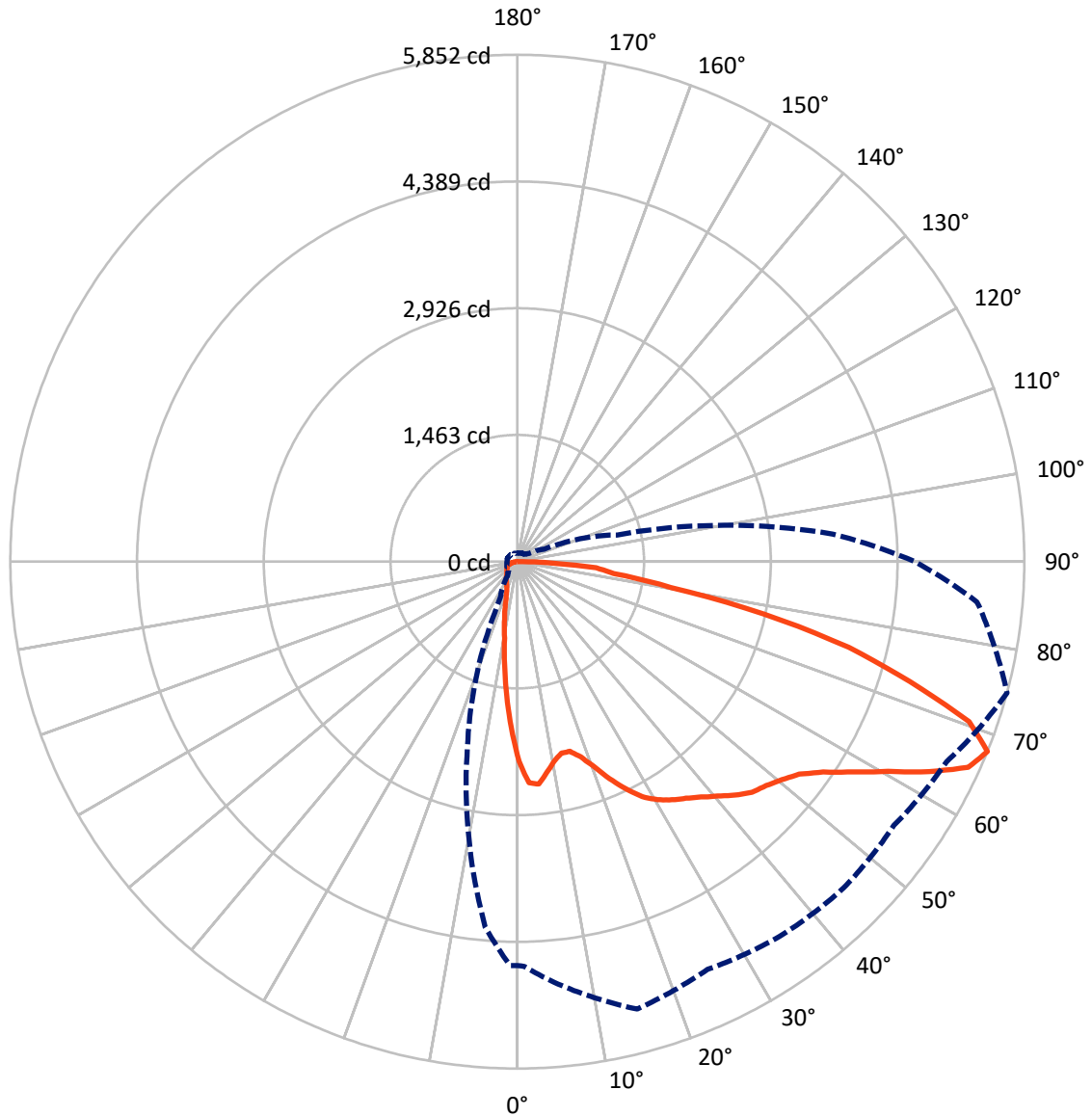
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1248.1 | 0.0 | 1248.1 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 6135.9 | 0.0 | 6135.9 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 7384.0 | 0.0 | 7384.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 175.0 | 2.4 |
| 10°-20° | 364.9 | 4.9 |
| 20°-30° | 525.1 | 7.1 |
| 30°-40° | 756.3 | 10.2 |
| 40°-50° | 1062.4 | 14.4 |
| 50°-60° | 1481.7 | 20.1 |
| 60°-70° | 1761.6 | 23.9 |
| 70°-80° | 1037.5 | 14.1 |
| 80°-90° | 219.4 | 3.0 |
| 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° | 7384.0 | 100.0 |
| 0°-180° | 7384.0 | 100.0 |

Coefficient of Utilization



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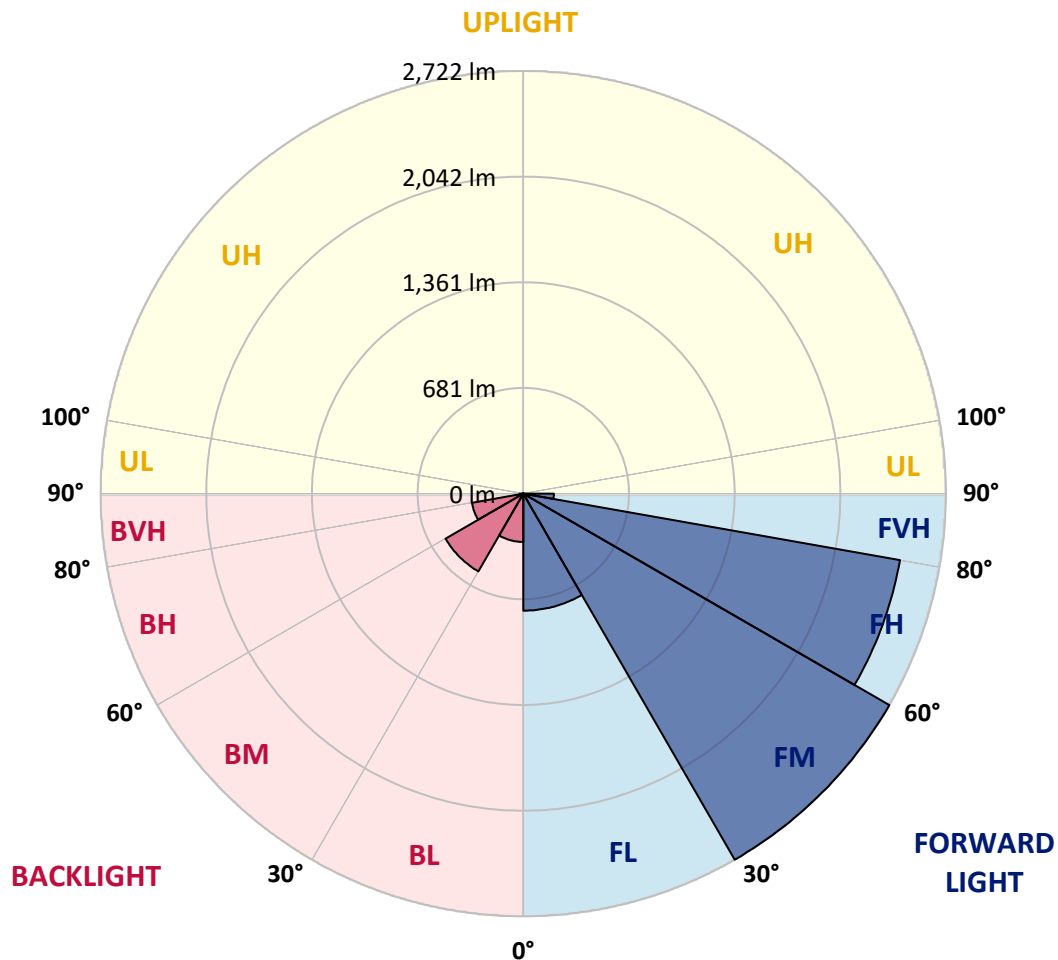
CATALOG NUMBER: GALN-SA2A-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 753.7 | 10.2 | | | |
| FM (30°-60°) | 2722.2 | 36.9 | | | |
| FH (60°-80°) | 2463.3 | 33.4 | | | G2/5000 |
| FVH (80°-90°) | 196.7 | 2.7 | | | G2/225 |
| BL (0°-30°) | 311.3 | 4.2 | B1/500 | | |
| BM (30°-60°) | 578.2 | 7.8 | B1/1000 | | |
| BH (60°-80°) | 335.8 | 4.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 22.7 | 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-G2

Type III Medium





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CATALOG NUMBER: GALN-SA2A-735-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 |
| 2.5° | 2487.3 | 2490.7 | 2512.0 | 2574.0 | 2616.6 | 2632.2 | 2643.1 | 2622.8 | 2602.9 | 2554.6 | 2481.7 |
| 5° | 2479.8 | 2499.2 | 2554.6 | 2693.8 | 2803.6 | 2851.0 | 2865.2 | 2804.1 | 2703.3 | 2579.2 | 2430.0 |
| 7.5° | 2334.9 | 2360.9 | 2446.1 | 2679.6 | 2873.3 | 2984.1 | 2969.4 | 2859.0 | 2677.2 | 2456.1 | 2247.7 |
| 10° | 2163.0 | 2191.9 | 2294.6 | 2576.8 | 2826.4 | 2978.8 | 2978.8 | 2844.4 | 2602.9 | 2340.1 | 2100.0 |
| 12.5° | 2026.6 | 2056.9 | 2174.4 | 2471.2 | 2728.8 | 2873.3 | 2897.4 | 2781.9 | 2549.4 | 2266.7 | 2002.9 |
| 15° | 1981.6 | 2011.0 | 2137.4 | 2407.3 | 2625.6 | 2713.7 | 2721.7 | 2683.8 | 2523.3 | 2271.9 | 1998.7 |
| 17.5° | 2037.5 | 2075.4 | 2203.2 | 2426.3 | 2530.9 | 2536.1 | 2542.3 | 2572.1 | 2526.2 | 2367.1 | 2084.9 |
| 20° | 2199.0 | 2239.7 | 2373.2 | 2487.3 | 2448.0 | 2394.1 | 2397.4 | 2474.1 | 2559.8 | 2524.3 | 2290.8 |
| 22.5° | 2431.9 | 2467.5 | 2604.3 | 2594.8 | 2413.0 | 2301.7 | 2278.5 | 2385.5 | 2609.5 | 2720.3 | 2510.1 |
| 25° | 2683.4 | 2725.0 | 2882.2 | 2754.4 | 2422.9 | 2246.8 | 2232.1 | 2333.5 | 2661.1 | 2903.6 | 2763.4 |
| 27.5° | 2971.3 | 3012.0 | 3136.1 | 2915.4 | 2475.0 | 2242.5 | 2225.0 | 2328.7 | 2707.5 | 3073.1 | 3005.4 |
| 30° | 3185.3 | 3222.7 | 3307.0 | 3050.8 | 2539.0 | 2270.9 | 2249.2 | 2366.1 | 2747.3 | 3189.1 | 3241.2 |
| 32.5° | 3353.4 | 3392.2 | 3438.1 | 3135.1 | 2623.2 | 2322.6 | 2282.3 | 2434.3 | 2799.4 | 3277.6 | 3415.9 |
| 35° | 3528.6 | 3574.5 | 3571.2 | 3209.9 | 2701.8 | 2382.2 | 2342.9 | 2532.8 | 2881.3 | 3354.8 | 3637.5 |
| 37.5° | 3750.7 | 3769.1 | 3745.5 | 3277.2 | 2796.1 | 2489.7 | 2467.9 | 2679.1 | 2997.8 | 3448.1 | 3896.5 |
| 40° | 3976.1 | 4013.0 | 3891.3 | 3358.6 | 2910.7 | 2691.9 | 2689.5 | 2895.5 | 3136.1 | 3557.5 | 4147.5 |
| 42.5° | 4169.2 | 4200.5 | 4027.7 | 3429.6 | 3049.4 | 2938.6 | 2956.6 | 3185.8 | 3317.4 | 3684.4 | 4349.2 |
| 45° | 4314.6 | 4342.6 | 4153.6 | 3498.3 | 3232.2 | 3223.6 | 3329.7 | 3496.9 | 3546.1 | 3798.5 | 4467.6 |
| 47.5° | 4438.2 | 4465.2 | 4241.2 | 3602.5 | 3458.0 | 3564.1 | 3748.8 | 3821.2 | 3741.7 | 3863.8 | 4600.1 |
| 50° | 4542.4 | 4550.4 | 4301.4 | 3726.5 | 3738.4 | 3981.3 | 4160.3 | 4207.1 | 3934.9 | 3957.6 | 4715.2 |
| 52.5° | 4650.8 | 4640.4 | 4405.1 | 3882.8 | 4041.4 | 4377.1 | 4507.3 | 4556.1 | 4120.0 | 4073.1 | 4882.8 |
| 55° | 4893.7 | 4903.7 | 4637.5 | 4079.8 | 4347.8 | 4765.9 | 4937.3 | 4890.4 | 4325.0 | 4285.7 | 5095.9 |
| 57.5° | 5187.3 | 5178.8 | 4964.7 | 4388.0 | 4659.8 | 5127.6 | 5255.5 | 5180.2 | 4598.7 | 4577.9 | 5311.8 |
| 60° | 5301.4 | 5312.8 | 5238.4 | 4719.5 | 4967.6 | 5444.4 | 5575.1 | 5458.1 | 4926.9 | 4917.4 | 5474.7 |
| 62.5° | 5186.8 | 5250.7 | 5300.9 | 5014.5 | 5229.9 | 5677.4 | 5807.1 | 5673.6 | 5269.2 | 5337.9 | 5588.8 |
| 65° | 4958.6 | 4972.3 | 5143.3 | 5264.5 | 5356.3 | 5715.7 | 5783.4 | 5712.4 | 5555.2 | 5720.9 | 5583.6 |
| 67.5° | 4662.2 | 4674.0 | 4874.3 | 5346.4 | 5193.4 | 5280.1 | 5327.5 | 5306.6 | 5466.7 | 5852.1 | 5326.5 |
| 70° | 4380.0 | 4370.5 | 4582.1 | 5137.6 | 4521.1 | 4389.4 | 4428.7 | 4363.4 | 4717.1 | 5531.5 | 4822.2 |
| 72.5° | 3830.7 | 3864.8 | 4092.1 | 4557.1 | 3579.7 | 3365.7 | 3451.4 | 3282.4 | 3628.0 | 4737.5 | 3914.0 |
| 75° | 3000.6 | 3008.7 | 3388.0 | 3824.5 | 2700.4 | 2362.8 | 2478.8 | 2408.3 | 2779.0 | 3951.9 | 2702.8 |
| 77.5° | 2077.8 | 2059.8 | 2467.5 | 2921.1 | 1925.8 | 1729.7 | 1731.6 | 1698.0 | 1940.4 | 2909.7 | 1836.3 |
| 80° | 1319.7 | 1292.2 | 1544.6 | 1804.5 | 1323.5 | 1415.8 | 1369.4 | 1368.0 | 1263.3 | 1795.1 | 1110.4 |
| 82.5° | 713.1 | 743.4 | 975.9 | 1131.2 | 949.4 | 1094.3 | 1002.9 | 973.5 | 867.0 | 1123.6 | 710.3 |
| 85° | 324.8 | 353.2 | 520.4 | 769.5 | 721.2 | 729.2 | 487.2 | 574.8 | 717.4 | 912.5 | 379.3 |
| 87.5° | 31.7 | 40.7 | 107.5 | 363.2 | 246.2 | 194.1 | 72.4 | 139.7 | 180.4 | 324.4 | 30.3 |
| 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: GALN-SA2A-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 |
| 2.5° | 2451.8 | 2427.2 | 2343.4 | 2274.3 | 2200.9 | 2145.0 | 2072.1 | 2023.3 | 1989.7 | 1939.0 | 1932.9 |
| 5° | 2339.1 | 2279.0 | 2133.2 | 1984.5 | 1856.2 | 1759.6 | 1661.5 | 1571.6 | 1518.5 | 1502.0 | 1480.7 |
| 7.5° | 2149.3 | 2047.9 | 1860.4 | 1690.0 | 1542.7 | 1398.7 | 1287.9 | 1209.3 | 1156.8 | 1126.0 | 1089.1 |
| 10° | 1993.0 | 1875.6 | 1647.3 | 1438.5 | 1317.3 | 1227.8 | 1130.3 | 1046.0 | 981.1 | 925.7 | 895.4 |
| 12.5° | 1887.9 | 1755.3 | 1498.7 | 1329.1 | 1235.4 | 1140.2 | 1026.1 | 931.4 | 835.7 | 772.8 | 745.8 |
| 15° | 1856.2 | 1716.0 | 1452.7 | 1274.7 | 1140.2 | 1015.7 | 887.8 | 764.2 | 669.5 | 609.9 | 590.0 |
| 17.5° | 1933.8 | 1764.3 | 1452.3 | 1202.2 | 1028.5 | 879.8 | 715.9 | 599.9 | 502.9 | 458.4 | 444.2 |
| 20° | 2078.7 | 1857.1 | 1456.5 | 1130.7 | 907.2 | 698.0 | 520.9 | 425.7 | 379.3 | 360.3 | 353.2 |
| 22.5° | 2280.9 | 1998.7 | 1469.3 | 1060.2 | 774.7 | 536.0 | 390.2 | 341.9 | 325.3 | 322.0 | 320.6 |
| 25° | 2530.0 | 2173.9 | 1512.4 | 996.7 | 662.9 | 409.1 | 326.2 | 304.5 | 295.0 | 291.7 | 291.2 |
| 27.5° | 2759.1 | 2400.2 | 1564.5 | 942.3 | 555.0 | 352.8 | 295.0 | 276.5 | 267.1 | 266.6 | 267.5 |
| 30° | 2966.1 | 2589.6 | 1608.0 | 881.2 | 473.0 | 313.5 | 274.6 | 256.2 | 247.2 | 246.7 | 249.5 |
| 32.5° | 3145.0 | 2745.4 | 1640.2 | 821.1 | 427.6 | 289.3 | 256.2 | 236.3 | 228.7 | 227.3 | 228.7 |
| 35° | 3336.3 | 2900.7 | 1625.6 | 774.2 | 401.5 | 269.4 | 242.4 | 223.0 | 214.0 | 209.8 | 209.8 |
| 37.5° | 3554.6 | 3060.8 | 1600.5 | 735.4 | 389.7 | 252.9 | 230.6 | 211.7 | 202.7 | 198.4 | 197.9 |
| 40° | 3792.8 | 3220.8 | 1565.9 | 700.8 | 377.9 | 242.9 | 222.5 | 202.7 | 191.8 | 187.5 | 186.6 |
| 42.5° | 4003.0 | 3357.7 | 1537.5 | 678.1 | 358.4 | 244.8 | 215.4 | 196.0 | 182.3 | 176.6 | 176.1 |
| 45° | 4185.8 | 3495.4 | 1532.3 | 664.8 | 342.3 | 242.0 | 213.6 | 190.8 | 174.7 | 168.6 | 167.6 |
| 47.5° | 4328.8 | 3638.9 | 1562.1 | 657.2 | 324.8 | 226.8 | 225.9 | 187.5 | 168.1 | 161.5 | 160.5 |
| 50° | 4503.1 | 3842.5 | 1630.3 | 641.6 | 308.7 | 212.6 | 238.6 | 187.0 | 162.9 | 154.4 | 152.0 |
| 52.5° | 4735.1 | 4107.7 | 1722.6 | 613.7 | 285.5 | 199.3 | 227.8 | 187.0 | 156.7 | 148.2 | 145.4 |
| 55° | 5086.0 | 4445.8 | 1813.1 | 574.4 | 252.9 | 181.8 | 205.5 | 181.4 | 147.7 | 140.2 | 138.3 |
| 57.5° | 5318.5 | 4692.9 | 1870.8 | 519.9 | 212.1 | 169.0 | 177.1 | 172.4 | 138.7 | 130.7 | 130.7 |
| 60° | 5330.3 | 4759.2 | 1843.4 | 451.3 | 186.6 | 157.2 | 153.9 | 173.8 | 130.7 | 122.2 | 121.2 |
| 62.5° | 5193.9 | 4596.8 | 1700.4 | 389.7 | 172.8 | 144.4 | 139.2 | 152.5 | 122.6 | 114.1 | 112.7 |
| 65° | 4980.8 | 4182.5 | 1452.3 | 360.3 | 165.3 | 133.1 | 125.5 | 125.0 | 114.1 | 106.1 | 104.2 |
| 67.5° | 4589.3 | 3655.0 | 1193.2 | 343.3 | 161.5 | 120.3 | 113.2 | 110.8 | 104.2 | 97.5 | 96.6 |
| 70° | 4012.0 | 3061.2 | 957.0 | 336.2 | 159.6 | 107.0 | 101.3 | 98.5 | 92.8 | 87.6 | 87.1 |
| 72.5° | 3121.4 | 2483.1 | 789.8 | 331.5 | 158.6 | 94.7 | 88.5 | 84.8 | 81.4 | 76.7 | 76.7 |
| 75° | 2242.1 | 1826.8 | 602.8 | 298.8 | 146.8 | 81.4 | 74.8 | 72.4 | 67.7 | 63.9 | 64.9 |
| 77.5° | 1413.4 | 1230.2 | 396.8 | 219.7 | 113.6 | 65.3 | 59.7 | 58.2 | 54.5 | 49.2 | 52.6 |
| 80° | 954.6 | 865.1 | 231.5 | 138.3 | 71.5 | 47.8 | 45.9 | 45.5 | 41.2 | 35.5 | 36.0 |
| 82.5° | 649.7 | 637.3 | 120.3 | 78.6 | 41.2 | 27.9 | 27.0 | 27.9 | 23.2 | 18.9 | 18.9 |
| 85° | 253.8 | 346.6 | 56.8 | 30.8 | 13.3 | 4.3 | 6.2 | 6.6 | 3.8 | 1.9 | 2.4 |
| 87.5° | 4.7 | 35.5 | 1.4 | 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: GALN-SA2A-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 | 2306.9 |
| 2.5° | 1923.4 | 1919.1 | 1926.2 | 1895.9 | 1902.1 | 1913.5 | 1919.1 | 1922.4 | 1969.3 | 1958.4 | 1988.3 |
| 5° | 1500.6 | 1496.3 | 1523.8 | 1527.5 | 1541.7 | 1538.9 | 1552.6 | 1556.0 | 1573.0 | 1579.2 | 1620.8 |
| 7.5° | 1091.4 | 1109.9 | 1141.2 | 1157.3 | 1181.4 | 1189.0 | 1181.9 | 1199.4 | 1163.9 | 1189.5 | 1197.0 |
| 10° | 876.9 | 854.7 | 841.4 | 878.4 | 883.1 | 918.1 | 903.9 | 892.6 | 913.4 | 914.3 | 934.2 |
| 12.5° | 730.2 | 682.3 | 650.6 | 661.0 | 672.4 | 687.5 | 689.9 | 712.6 | 727.8 | 742.0 | 753.8 |
| 15° | 572.5 | 555.9 | 527.0 | 512.8 | 528.9 | 535.1 | 549.7 | 568.7 | 584.8 | 589.0 | 605.1 |
| 17.5° | 439.4 | 442.3 | 437.5 | 429.0 | 438.9 | 443.7 | 444.6 | 445.1 | 449.4 | 446.5 | 470.2 |
| 20° | 353.7 | 363.7 | 375.5 | 377.4 | 380.7 | 383.1 | 378.8 | 362.7 | 363.2 | 373.1 | 380.7 |
| 22.5° | 320.1 | 322.0 | 335.2 | 339.5 | 349.9 | 345.7 | 333.4 | 325.8 | 324.8 | 327.2 | 331.0 |
| 25° | 293.6 | 296.4 | 305.9 | 312.5 | 320.6 | 313.0 | 304.0 | 296.9 | 295.9 | 298.3 | 302.1 |
| 27.5° | 269.9 | 274.2 | 282.7 | 289.3 | 296.9 | 289.8 | 281.3 | 275.1 | 274.6 | 274.2 | 276.5 |
| 30° | 251.0 | 255.7 | 261.9 | 269.4 | 274.6 | 268.5 | 260.4 | 257.1 | 256.6 | 255.7 | 256.6 |
| 32.5° | 232.0 | 239.6 | 245.8 | 249.5 | 254.7 | 250.0 | 243.9 | 242.0 | 238.6 | 235.8 | 234.4 |
| 35° | 210.7 | 218.8 | 228.2 | 233.0 | 238.2 | 233.4 | 229.2 | 221.1 | 215.4 | 215.0 | 215.9 |
| 37.5° | 198.4 | 201.7 | 209.3 | 217.3 | 222.5 | 220.2 | 212.1 | 204.1 | 202.7 | 202.7 | 203.6 |
| 40° | 187.5 | 188.9 | 192.2 | 202.7 | 212.1 | 205.0 | 195.1 | 192.7 | 192.7 | 192.2 | 192.7 |
| 42.5° | 176.6 | 178.0 | 178.0 | 186.1 | 201.2 | 189.9 | 182.3 | 182.3 | 182.3 | 182.8 | 184.2 |
| 45° | 166.7 | 167.1 | 166.7 | 172.4 | 186.6 | 177.1 | 171.9 | 173.3 | 174.3 | 175.2 | 176.1 |
| 47.5° | 158.2 | 158.6 | 158.2 | 162.9 | 170.0 | 166.2 | 163.4 | 165.3 | 167.1 | 168.6 | 169.5 |
| 50° | 150.6 | 150.1 | 151.0 | 153.9 | 157.2 | 158.2 | 156.3 | 159.1 | 160.0 | 161.9 | 164.3 |
| 52.5° | 143.9 | 143.5 | 144.4 | 145.8 | 150.6 | 150.6 | 150.6 | 152.9 | 154.8 | 156.7 | 160.0 |
| 55° | 136.4 | 136.8 | 138.3 | 140.2 | 146.3 | 145.4 | 145.8 | 147.7 | 149.6 | 152.5 | 154.4 |
| 57.5° | 129.3 | 130.2 | 132.1 | 135.0 | 141.1 | 140.6 | 141.1 | 142.1 | 144.4 | 145.8 | 147.7 |
| 60° | 121.2 | 123.1 | 125.5 | 127.4 | 133.5 | 133.1 | 135.4 | 137.3 | 138.7 | 138.7 | 139.7 |
| 62.5° | 113.2 | 116.0 | 118.4 | 119.8 | 126.4 | 126.9 | 130.2 | 131.6 | 132.6 | 131.6 | 133.1 |
| 65° | 105.1 | 109.4 | 110.3 | 112.2 | 118.9 | 119.3 | 123.1 | 126.4 | 125.5 | 124.5 | 126.9 |
| 67.5° | 97.1 | 102.3 | 101.8 | 104.2 | 110.8 | 111.7 | 115.1 | 120.7 | 118.9 | 117.9 | 119.8 |
| 70° | 88.1 | 91.9 | 92.3 | 93.8 | 102.8 | 101.3 | 106.5 | 111.7 | 110.3 | 110.8 | 110.8 |
| 72.5° | 78.1 | 81.4 | 81.4 | 84.3 | 93.8 | 91.4 | 95.6 | 101.3 | 101.3 | 100.9 | 100.9 |
| 75° | 66.3 | 68.2 | 70.1 | 74.3 | 84.3 | 81.4 | 84.3 | 89.5 | 90.4 | 89.5 | 89.5 |
| 77.5° | 53.5 | 56.3 | 57.3 | 63.0 | 70.1 | 69.6 | 72.4 | 74.8 | 76.7 | 75.8 | 75.8 |
| 80° | 37.9 | 40.7 | 44.5 | 50.7 | 54.9 | 56.3 | 57.8 | 59.7 | 60.6 | 60.6 | 61.6 |
| 82.5° | 21.3 | 25.6 | 28.9 | 35.0 | 36.9 | 44.0 | 43.6 | 45.0 | 43.6 | 38.4 | 42.6 |
| 85° | 4.7 | 9.0 | 12.8 | 16.1 | 18.5 | 25.6 | 27.0 | 30.3 | 25.1 | 23.2 | 23.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 7.6 | 10.4 | 9.0 | 7.6 | 7.6 |
| 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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| 70° | 116.5 | 119.8 | 121.2 | 129.3 | 186.6 | 415.7 | 1853.3 | 3806.1 | 4326.9 | 4380.0 |
| 72.5° | 105.1 | 108.0 | 109.4 | 116.5 | 177.6 | 385.9 | 1438.5 | 3211.8 | 3747.8 | 3830.7 |
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