

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: STREETWORKS

Report Number: P527221

Luminaire Tested: **GLAN-SA2B-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5291 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

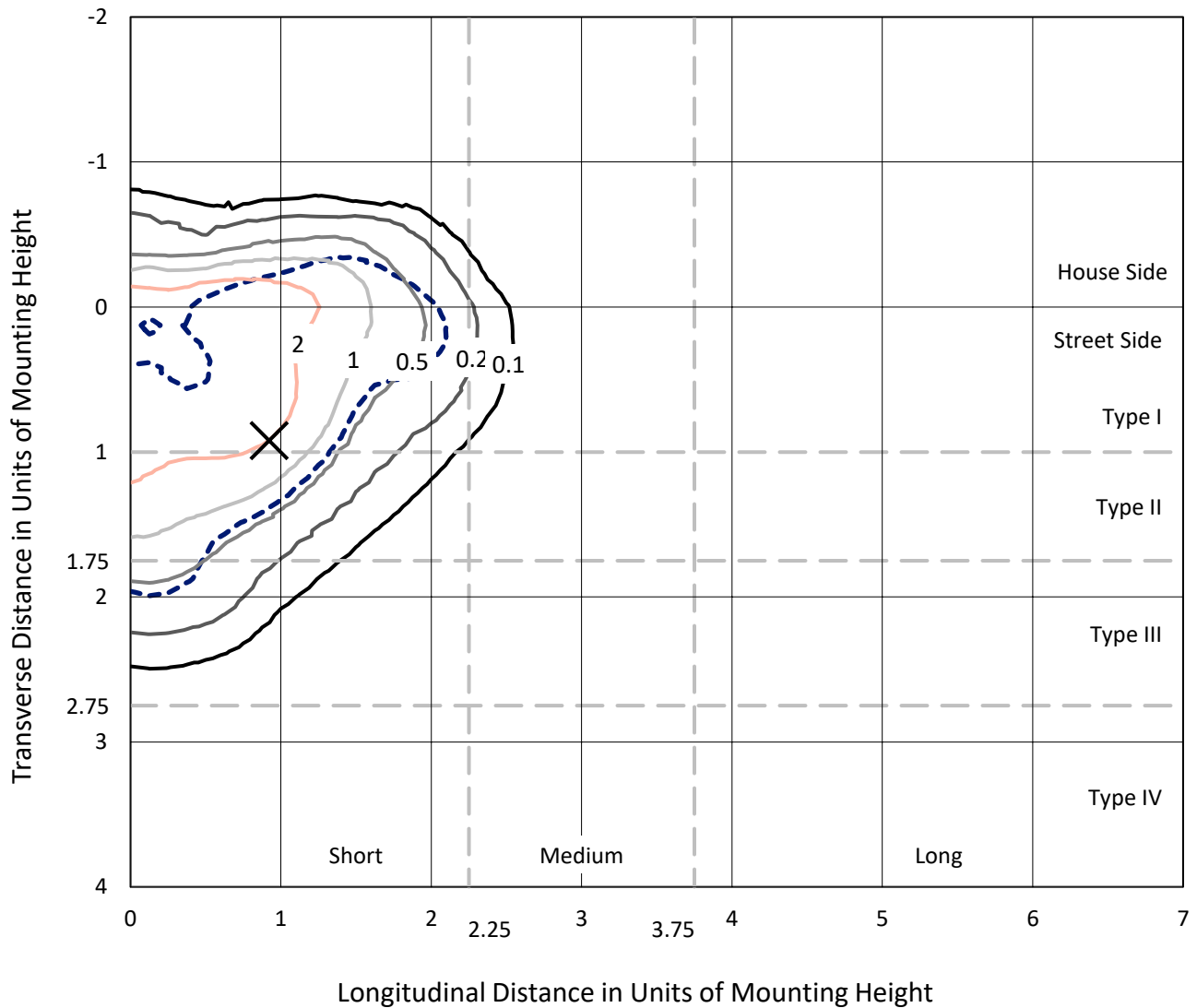
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

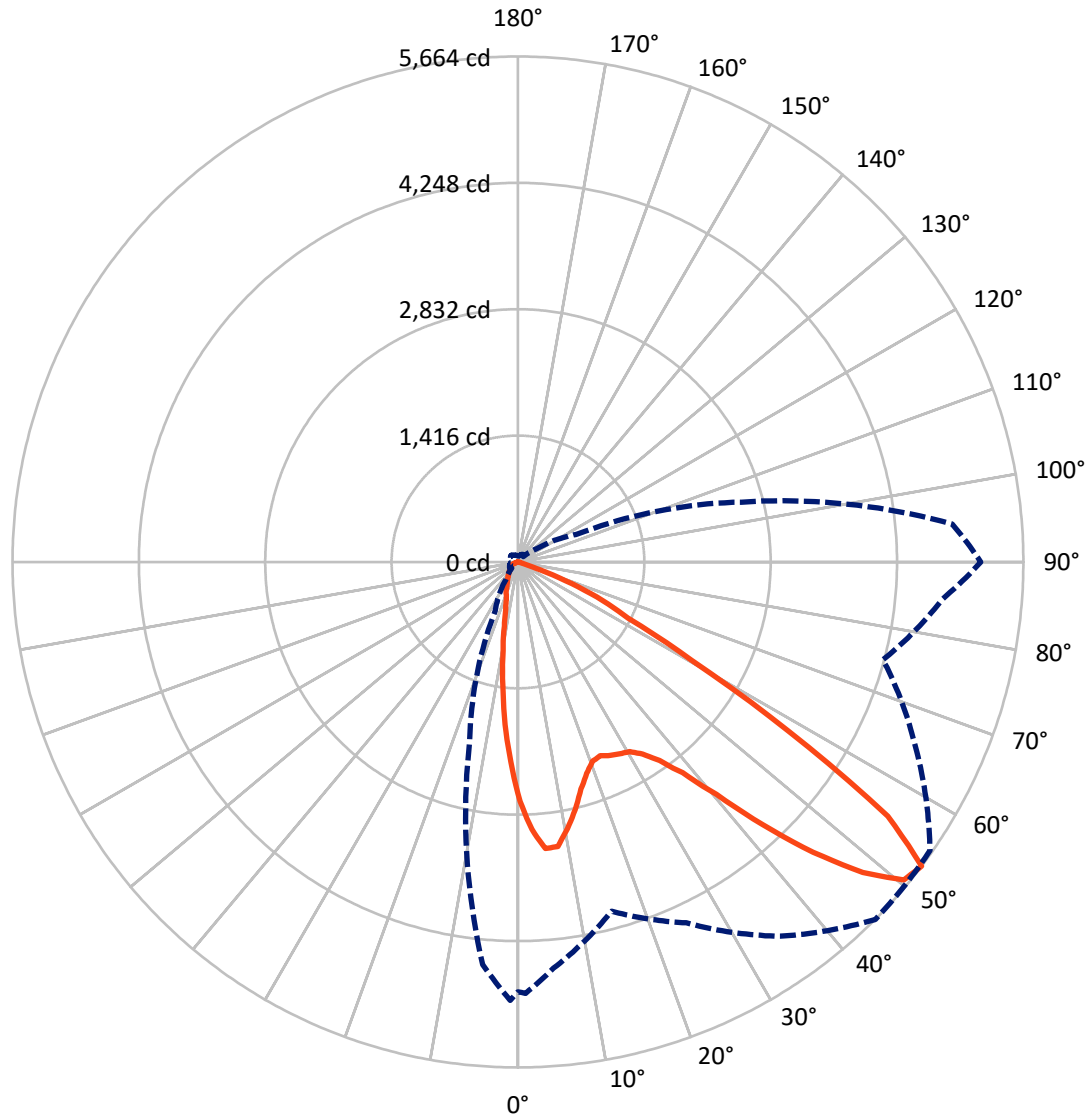
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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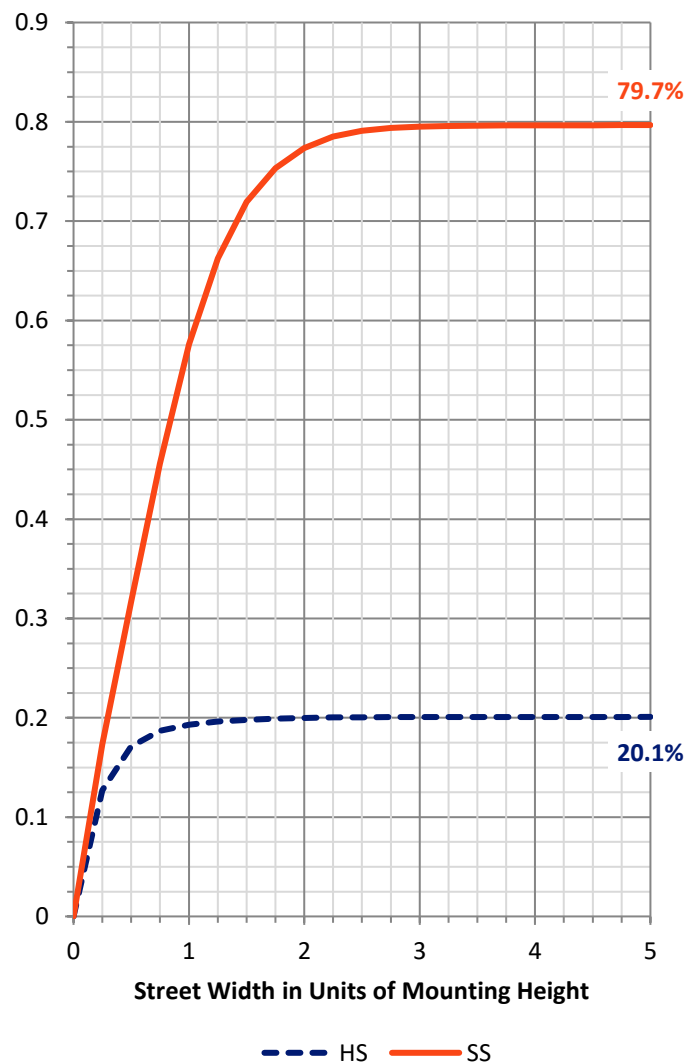
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1073.8 | 0.0 | 1073.8 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 4217.2 | 0.0 | 4217.2 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 5291.0 | 0.0 | 5291.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 195.7 | 3.7 |
| 10°-20° | 386.0 | 7.3 |
| 20°-30° | 587.4 | 11.1 |
| 30°-40° | 878.0 | 16.6 |
| 40°-50° | 1250.4 | 23.6 |
| 50°-60° | 1344.1 | 25.4 |
| 60°-70° | 595.6 | 11.3 |
| 70°-80° | 48.2 | 0.9 |
| 80°-90° | 5.6 | 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° | 5291.0 | 100.0 |
| 0°-180° | 5291.0 | 100.0 |

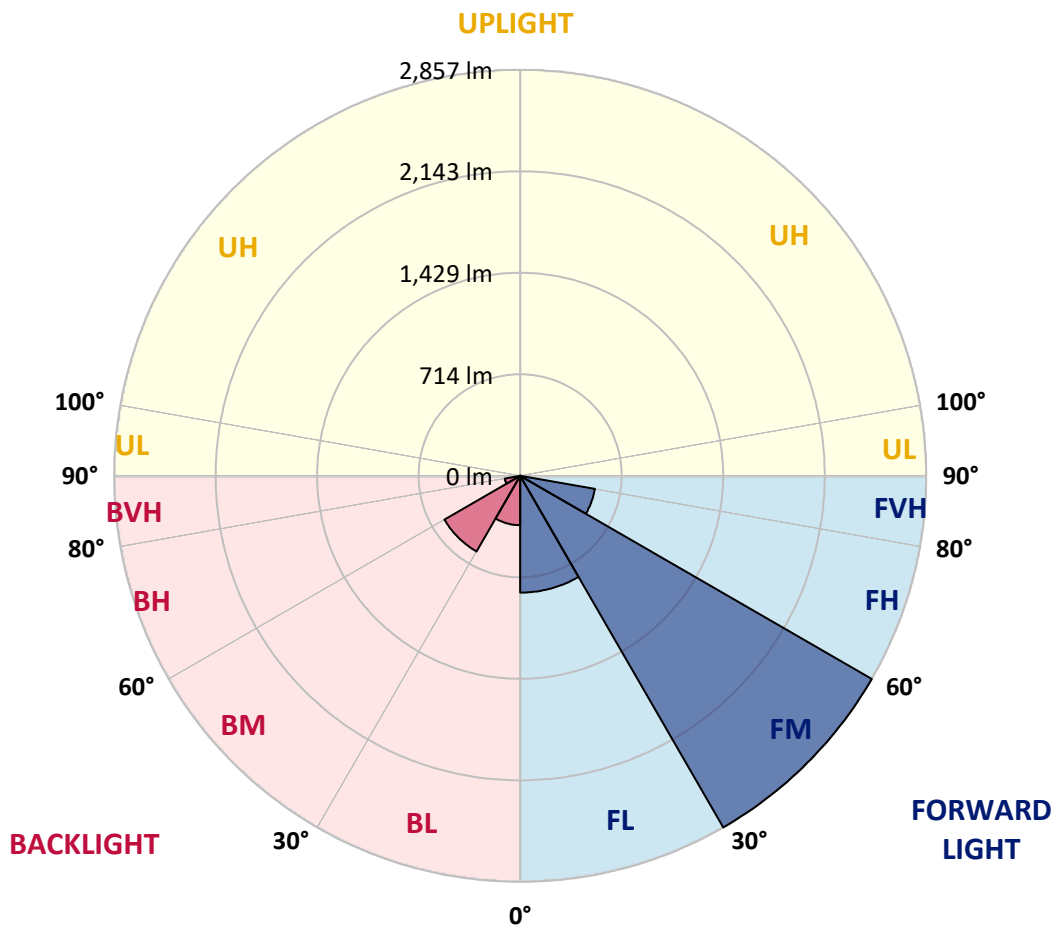


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 821.8 | 15.5 | | | |
| FM (30°-60°) | 2857.3 | 54.0 | | | |
| FH (60°-80°) | 533.9 | 10.1 | | | G0/660 |
| FVH (80°-90°) | 4.2 | 0.1 | | | G0/10 |
| BL (0°-30°) | 347.3 | 6.6 | B1/500 | | |
| BM (30°-60°) | 615.2 | 11.6 | B1/1000 | | |
| BH (60°-80°) | 109.9 | 2.1 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.5 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type III Short





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CATALOG NUMBER: GLAN-SA2B-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 |
| 2.5° | 2838.9 | 2847.2 | 2893.0 | 2950.2 | 2980.4 | 3049.1 | 3001.2 | 3013.7 | 2987.7 | 2896.1 | 2824.3 |
| 5° | 2752.5 | 2751.5 | 2809.7 | 2951.3 | 3085.5 | 3221.8 | 3226.0 | 3153.2 | 3025.2 | 2884.7 | 2683.8 |
| 7.5° | 2492.3 | 2532.9 | 2593.3 | 2819.1 | 3067.8 | 3169.8 | 3218.7 | 3133.4 | 2936.7 | 2735.9 | 2518.4 |
| 10° | 2295.7 | 2316.5 | 2418.5 | 2691.1 | 2873.2 | 3009.5 | 3039.7 | 2990.8 | 2839.9 | 2589.1 | 2345.6 |
| 12.5° | 2182.2 | 2192.6 | 2312.3 | 2541.3 | 2733.8 | 2834.7 | 2849.3 | 2872.2 | 2764.0 | 2528.8 | 2236.3 |
| 15° | 2183.3 | 2191.6 | 2352.9 | 2544.4 | 2620.3 | 2593.3 | 2641.2 | 2640.1 | 2686.9 | 2517.3 | 2327.9 |
| 17.5° | 2340.4 | 2349.8 | 2495.5 | 2590.2 | 2556.9 | 2493.4 | 2490.3 | 2538.1 | 2637.0 | 2659.9 | 2466.3 |
| 20° | 2611.0 | 2632.8 | 2740.0 | 2734.8 | 2547.5 | 2419.5 | 2384.1 | 2420.5 | 2650.5 | 2780.6 | 2745.2 |
| 22.5° | 2975.2 | 3005.4 | 3080.3 | 2936.7 | 2590.2 | 2369.5 | 2358.1 | 2428.9 | 2740.0 | 3050.1 | 3061.6 |
| 25° | 3397.7 | 3448.7 | 3485.1 | 3300.9 | 2742.1 | 2455.9 | 2401.8 | 2523.6 | 2860.7 | 3342.6 | 3464.3 |
| 27.5° | 3677.6 | 3730.7 | 3722.4 | 3459.1 | 2844.1 | 2478.8 | 2433.0 | 2546.5 | 2965.8 | 3412.3 | 3674.5 |
| 30° | 3896.2 | 3928.4 | 3986.7 | 3544.4 | 2946.1 | 2543.3 | 2465.3 | 2643.2 | 3000.2 | 3533.0 | 3928.4 |
| 32.5° | 4151.1 | 4173.0 | 4177.1 | 3695.3 | 3103.2 | 2624.5 | 2565.2 | 2764.0 | 3152.1 | 3648.5 | 4153.2 |
| 35° | 4408.2 | 4440.4 | 4372.8 | 3881.6 | 3200.0 | 2775.4 | 2731.7 | 2973.1 | 3273.9 | 3768.2 | 4400.9 |
| 37.5° | 4687.1 | 4703.7 | 4547.6 | 3958.6 | 3338.4 | 3021.0 | 2997.1 | 3198.9 | 3485.1 | 3984.6 | 4675.6 |
| 40° | 4921.2 | 4936.8 | 4733.9 | 4053.3 | 3484.1 | 3364.4 | 3425.8 | 3629.8 | 3772.3 | 4125.1 | 4813.0 |
| 42.5° | 5051.3 | 5087.7 | 4796.3 | 4001.3 | 3776.5 | 3753.6 | 4026.3 | 4098.1 | 4105.3 | 4164.7 | 4935.8 |
| 45° | 5086.7 | 5070.0 | 4693.3 | 4043.9 | 4032.5 | 4393.6 | 4641.3 | 4736.0 | 4436.3 | 4237.5 | 4967.0 |
| 47.5° | 4923.3 | 4945.1 | 4541.4 | 4006.5 | 4368.6 | 4878.5 | 5199.1 | 5374.9 | 4682.9 | 4174.0 | 4890.0 |
| 50° | 4791.1 | 4763.0 | 4492.5 | 3979.4 | 4459.2 | 5107.5 | 5601.8 | 5641.3 | 4909.8 | 4252.1 | 4805.7 |
| 52.5° | 4817.1 | 4834.8 | 4570.5 | 4051.2 | 4461.2 | 5121.0 | 5664.2 | 5637.2 | 4917.0 | 4234.4 | 4775.5 |
| 55° | 4872.3 | 4794.3 | 4537.2 | 3893.1 | 4162.6 | 4743.3 | 5027.4 | 4985.7 | 4538.3 | 4046.0 | 4701.6 |
| 57.5° | 4204.2 | 4324.9 | 4171.9 | 3475.8 | 3416.4 | 3573.6 | 3568.4 | 3696.4 | 3385.2 | 3482.0 | 4280.2 |
| 60° | 3412.3 | 3433.1 | 3490.3 | 2973.1 | 2364.3 | 2310.2 | 2235.3 | 2154.1 | 2278.0 | 2977.3 | 3893.1 |
| 62.5° | 3001.2 | 2976.2 | 3180.2 | 2704.6 | 1669.2 | 1397.6 | 1385.1 | 1435.0 | 1757.6 | 2839.9 | 3651.6 |
| 65° | 2181.2 | 2212.4 | 2360.2 | 2099.0 | 1252.9 | 1066.7 | 1047.9 | 1195.7 | 1422.6 | 2275.9 | 2786.8 |
| 67.5° | 1332.0 | 1392.4 | 1405.9 | 1294.6 | 850.2 | 675.4 | 648.3 | 782.6 | 1027.1 | 1472.5 | 1633.8 |
| 70° | 615.0 | 687.9 | 756.5 | 706.6 | 492.2 | 277.9 | 262.2 | 328.8 | 518.2 | 847.1 | 866.9 |
| 72.5° | 186.3 | 187.3 | 262.2 | 273.7 | 159.2 | 62.4 | 55.2 | 72.8 | 175.9 | 279.9 | 294.5 |
| 75° | 13.5 | 14.6 | 35.4 | 40.6 | 30.2 | 15.6 | 16.7 | 19.8 | 37.5 | 62.4 | 46.8 |
| 77.5° | 1.0 | 1.0 | 1.0 | 5.2 | 9.4 | 10.4 | 13.5 | 15.6 | 19.8 | 22.9 | 20.8 |
| 80° | 1.0 | 0.0 | 1.0 | 4.2 | 7.3 | 10.4 | 12.5 | 14.6 | 15.6 | 17.7 | 15.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 3.1 | 7.3 | 10.4 | 11.4 | 15.6 | 17.7 | 20.8 | 17.7 |
| 85° | 0.0 | 0.0 | 0.0 | 3.1 | 7.3 | 11.4 | 10.4 | 5.2 | 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: GLAN-SA2B-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 |
| 2.5° | 2836.8 | 2796.2 | 2703.6 | 2656.8 | 2546.5 | 2530.8 | 2422.6 | 2404.9 | 2368.5 | 2348.7 | 2300.9 |
| 5° | 2595.4 | 2546.5 | 2395.6 | 2268.6 | 2120.8 | 2017.8 | 1938.7 | 1866.9 | 1825.3 | 1786.8 | 1804.5 |
| 7.5° | 2398.7 | 2256.1 | 2088.6 | 1876.3 | 1705.6 | 1595.3 | 1474.6 | 1375.7 | 1317.5 | 1277.9 | 1287.3 |
| 10° | 2192.6 | 2100.0 | 1866.9 | 1628.6 | 1422.6 | 1344.5 | 1249.8 | 1173.8 | 1091.6 | 1020.9 | 987.6 |
| 12.5° | 2128.1 | 1990.8 | 1698.3 | 1455.9 | 1299.8 | 1223.8 | 1115.6 | 1028.2 | 923.1 | 836.7 | 806.5 |
| 15° | 2139.6 | 2007.4 | 1652.5 | 1393.4 | 1209.2 | 1078.1 | 949.1 | 840.8 | 725.3 | 665.0 | 633.8 |
| 17.5° | 2325.8 | 2096.9 | 1682.7 | 1327.9 | 1083.3 | 901.2 | 742.0 | 604.6 | 518.2 | 455.8 | 442.3 |
| 20° | 2554.8 | 2290.5 | 1747.2 | 1280.0 | 980.3 | 717.0 | 542.2 | 423.5 | 351.7 | 341.3 | 338.2 |
| 22.5° | 2889.9 | 2606.8 | 1885.6 | 1247.7 | 854.4 | 558.8 | 371.5 | 308.0 | 288.3 | 286.2 | 287.2 |
| 25° | 3358.2 | 3003.3 | 2036.5 | 1220.7 | 759.7 | 430.8 | 303.9 | 261.2 | 255.0 | 251.8 | 257.0 |
| 27.5° | 3561.1 | 3242.6 | 2116.7 | 1162.4 | 673.3 | 388.2 | 299.7 | 259.1 | 241.4 | 236.2 | 239.3 |
| 30° | 3811.9 | 3401.9 | 2242.6 | 1062.5 | 546.3 | 319.5 | 279.9 | 282.0 | 273.7 | 247.7 | 239.3 |
| 32.5° | 4144.9 | 3600.6 | 2306.1 | 991.7 | 488.1 | 264.3 | 205.0 | 188.4 | 210.2 | 214.4 | 221.7 |
| 35° | 4358.2 | 3802.5 | 2338.3 | 950.1 | 457.9 | 225.8 | 173.8 | 158.2 | 153.0 | 154.0 | 158.2 |
| 37.5° | 4754.7 | 4075.2 | 2378.9 | 906.4 | 435.0 | 196.7 | 157.1 | 142.6 | 135.3 | 135.3 | 139.4 |
| 40° | 4992.0 | 4291.6 | 2434.1 | 882.5 | 412.1 | 179.0 | 142.6 | 130.1 | 123.8 | 123.8 | 125.9 |
| 42.5° | 5051.3 | 4398.8 | 2415.3 | 874.1 | 386.1 | 174.8 | 130.1 | 120.7 | 113.4 | 112.4 | 111.3 |
| 45° | 5157.4 | 4562.2 | 2418.5 | 864.8 | 359.0 | 159.2 | 122.8 | 112.4 | 102.0 | 100.9 | 99.9 |
| 47.5° | 5274.0 | 4679.8 | 2424.7 | 828.4 | 333.0 | 133.2 | 128.0 | 104.1 | 91.6 | 89.5 | 89.5 |
| 50° | 5174.1 | 4773.4 | 2478.8 | 791.9 | 299.7 | 108.2 | 125.9 | 97.8 | 81.2 | 78.0 | 79.1 |
| 52.5° | 5186.6 | 4883.7 | 2593.3 | 740.9 | 258.1 | 86.4 | 102.0 | 92.6 | 73.9 | 68.7 | 69.7 |
| 55° | 4986.8 | 4767.2 | 2608.9 | 686.8 | 201.9 | 66.6 | 78.0 | 81.2 | 62.4 | 60.4 | 60.4 |
| 57.5° | 4292.7 | 4036.7 | 2301.9 | 556.7 | 133.2 | 55.2 | 56.2 | 70.8 | 54.1 | 52.0 | 53.1 |
| 60° | 3673.5 | 3240.6 | 1852.3 | 367.3 | 83.3 | 43.7 | 40.6 | 71.8 | 47.9 | 46.8 | 50.0 |
| 62.5° | 3348.8 | 2663.0 | 1404.9 | 227.9 | 57.2 | 33.3 | 28.1 | 58.3 | 41.6 | 41.6 | 45.8 |
| 65° | 2419.5 | 1788.9 | 816.9 | 119.7 | 40.6 | 26.0 | 20.8 | 33.3 | 34.3 | 35.4 | 37.5 |
| 67.5° | 1498.5 | 903.3 | 344.5 | 58.3 | 27.1 | 17.7 | 13.5 | 20.8 | 22.9 | 22.9 | 25.0 |
| 70° | 739.9 | 360.1 | 114.5 | 33.3 | 20.8 | 14.6 | 9.4 | 11.4 | 11.4 | 10.4 | 11.4 |
| 72.5° | 228.9 | 108.2 | 29.1 | 20.8 | 14.6 | 9.4 | 5.2 | 4.2 | 2.1 | 0.0 | 1.0 |
| 75° | 26.0 | 20.8 | 18.7 | 14.6 | 9.4 | 4.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 15.6 | 17.7 | 17.7 | 14.6 | 9.4 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 12.5 | 13.5 | 14.6 | 13.5 | 8.3 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 15.6 | 17.7 | 19.8 | 17.7 | 11.4 | 5.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 1.0 | 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: GLAN-SA2B-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 | 2682.8 |
| 2.5° | 2281.1 | 2258.2 | 2290.5 | 2242.6 | 2241.5 | 2242.6 | 2229.1 | 2216.6 | 2236.3 | 2289.4 | 2294.6 |
| 5° | 1741.0 | 1789.9 | 1805.5 | 1856.5 | 1828.4 | 1786.8 | 1795.1 | 1767.0 | 1835.7 | 1865.9 | 1841.9 |
| 7.5° | 1267.5 | 1264.4 | 1369.5 | 1375.7 | 1389.3 | 1390.3 | 1388.2 | 1333.1 | 1276.9 | 1289.4 | 1326.8 |
| 10° | 983.4 | 930.3 | 981.3 | 976.1 | 1009.4 | 1000.1 | 1013.6 | 954.3 | 974.0 | 974.0 | 998.0 |
| 12.5° | 801.3 | 745.1 | 735.7 | 722.2 | 735.7 | 740.9 | 746.1 | 734.7 | 768.0 | 783.6 | 800.3 |
| 15° | 611.9 | 580.7 | 572.4 | 546.3 | 550.5 | 565.1 | 577.6 | 582.8 | 572.4 | 596.3 | 598.4 |
| 17.5° | 444.4 | 443.3 | 448.5 | 447.5 | 443.3 | 440.2 | 439.2 | 425.6 | 421.5 | 423.5 | 431.9 |
| 20° | 337.2 | 345.5 | 363.2 | 380.9 | 390.2 | 378.8 | 363.2 | 340.3 | 330.9 | 333.0 | 334.0 |
| 22.5° | 288.3 | 300.7 | 324.7 | 344.5 | 353.8 | 333.0 | 304.9 | 285.1 | 281.0 | 279.9 | 278.9 |
| 25° | 261.2 | 275.8 | 293.5 | 299.7 | 298.7 | 286.2 | 265.4 | 257.0 | 255.0 | 252.9 | 243.5 |
| 27.5° | 246.6 | 251.8 | 255.0 | 262.2 | 265.4 | 257.0 | 251.8 | 239.3 | 237.3 | 237.3 | 231.0 |
| 30° | 238.3 | 235.2 | 239.3 | 234.1 | 238.3 | 232.1 | 233.1 | 233.1 | 227.9 | 230.0 | 230.0 |
| 32.5° | 221.7 | 222.7 | 222.7 | 212.3 | 215.4 | 208.1 | 215.4 | 221.7 | 222.7 | 223.7 | 232.1 |
| 35° | 162.3 | 181.1 | 190.4 | 190.4 | 193.6 | 188.4 | 187.3 | 180.0 | 170.7 | 161.3 | 157.1 |
| 37.5° | 142.6 | 149.9 | 162.3 | 169.6 | 174.8 | 170.7 | 161.3 | 149.9 | 144.6 | 140.5 | 136.3 |
| 40° | 127.0 | 133.2 | 141.5 | 149.9 | 160.3 | 155.1 | 140.5 | 135.3 | 129.0 | 129.0 | 124.9 |
| 42.5° | 114.5 | 117.6 | 122.8 | 135.3 | 146.7 | 136.3 | 125.9 | 121.8 | 118.6 | 117.6 | 116.6 |
| 45° | 103.0 | 104.1 | 109.3 | 119.7 | 133.2 | 122.8 | 112.4 | 107.2 | 108.2 | 109.3 | 108.2 |
| 47.5° | 92.6 | 94.7 | 97.8 | 110.3 | 118.6 | 113.4 | 102.0 | 98.9 | 98.9 | 98.9 | 99.9 |
| 50° | 80.1 | 85.3 | 91.6 | 102.0 | 108.2 | 105.1 | 95.7 | 91.6 | 89.5 | 89.5 | 90.5 |
| 52.5° | 71.8 | 76.0 | 84.3 | 96.8 | 105.1 | 99.9 | 90.5 | 84.3 | 80.1 | 79.1 | 81.2 |
| 55° | 62.4 | 69.7 | 83.3 | 92.6 | 104.1 | 98.9 | 88.5 | 81.2 | 73.9 | 72.8 | 72.8 |
| 57.5° | 56.2 | 67.6 | 80.1 | 91.6 | 100.9 | 96.8 | 88.5 | 79.1 | 69.7 | 68.7 | 68.7 |
| 60° | 53.1 | 65.6 | 78.0 | 88.5 | 100.9 | 94.7 | 87.4 | 77.0 | 66.6 | 66.6 | 65.6 |
| 62.5° | 50.0 | 61.4 | 73.9 | 84.3 | 96.8 | 91.6 | 84.3 | 73.9 | 63.5 | 63.5 | 61.4 |
| 65° | 41.6 | 53.1 | 61.4 | 70.8 | 84.3 | 79.1 | 71.8 | 64.5 | 56.2 | 54.1 | 55.2 |
| 67.5° | 29.1 | 36.4 | 44.7 | 54.1 | 62.4 | 60.4 | 57.2 | 52.0 | 44.7 | 43.7 | 42.7 |
| 70° | 14.6 | 19.8 | 27.1 | 36.4 | 43.7 | 41.6 | 39.5 | 35.4 | 31.2 | 30.2 | 30.2 |
| 72.5° | 2.1 | 6.2 | 11.4 | 16.7 | 22.9 | 23.9 | 22.9 | 21.9 | 20.8 | 19.8 | 20.8 |
| 75° | 0.0 | 0.0 | 0.0 | 4.2 | 9.4 | 11.4 | 13.5 | 15.6 | 15.6 | 13.5 | 16.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.2 | 10.4 | 13.5 | 16.7 | 14.6 | 19.8 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.2 | 10.4 | 14.6 | 16.7 | 14.6 | 20.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 7.3 | 10.4 | 13.5 | 15.6 | 14.6 | 18.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 6.2 | 4.2 | 2.1 | 1.0 | 1.0 | 3.1 |
| 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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| 27.5° | 233.1 | 235.2 | 262.2 | 370.5 | 620.2 | 1059.4 | 1946.0 | 3192.7 | 3611.0 | 3677.6 |
| 30° | 245.6 | 278.9 | 281.0 | 313.2 | 527.6 | 950.1 | 1974.1 | 3437.3 | 3847.3 | 3896.2 |
| 32.5° | 212.3 | 201.9 | 209.2 | 242.5 | 464.1 | 886.6 | 2027.2 | 3650.6 | 4116.8 | 4151.1 |
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| 37.5° | 136.3 | 140.5 | 154.0 | 179.0 | 356.9 | 782.6 | 2022.0 | 4057.5 | 4638.2 | 4687.1 |
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| 45° | 111.3 | 117.6 | 124.9 | 150.9 | 271.6 | 671.2 | 1932.5 | 4417.5 | 5030.5 | 5086.7 |
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| 55° | 77.0 | 92.6 | 91.6 | 77.0 | 183.2 | 584.8 | 2191.6 | 4529.9 | 4835.9 | 4872.3 |
| 57.5° | 69.7 | 82.2 | 71.8 | 64.5 | 135.3 | 489.1 | 2024.1 | 3798.4 | 4139.7 | 4204.2 |
| 60° | 64.5 | 80.1 | 54.1 | 51.0 | 88.5 | 352.8 | 1767.0 | 2941.9 | 3290.5 | 3412.3 |
| 62.5° | 59.3 | 76.0 | 42.7 | 41.6 | 61.4 | 250.8 | 1452.7 | 2462.2 | 2835.8 | 3001.2 |
| 65° | 52.0 | 54.1 | 34.3 | 32.3 | 43.7 | 135.3 | 884.5 | 1695.2 | 2119.8 | 2181.2 |
| 67.5° | 42.7 | 41.6 | 28.1 | 26.0 | 29.1 | 65.6 | 390.2 | 849.2 | 1229.0 | 1332.0 |
| 70° | 34.3 | 34.3 | 23.9 | 20.8 | 20.8 | 30.2 | 102.0 | 338.2 | 555.7 | 615.0 |
| 72.5° | 25.0 | 26.0 | 18.7 | 16.7 | 15.6 | 14.6 | 16.7 | 67.6 | 145.7 | 186.3 |
| 75° | 21.9 | 22.9 | 18.7 | 14.6 | 11.4 | 9.4 | 7.3 | 6.2 | 8.3 | 13.5 |
| 77.5° | 23.9 | 23.9 | 19.8 | 13.5 | 10.4 | 7.3 | 4.2 | 2.1 | 2.1 | 1.0 |
| 80° | 30.2 | 31.2 | 26.0 | 17.7 | 12.5 | 8.3 | 5.2 | 2.1 | 1.0 | 1.0 |
| 82.5° | 32.3 | 35.4 | 29.1 | 21.9 | 15.6 | 9.4 | 5.2 | 1.0 | 0.0 | 0.0 |
| 85° | 8.3 | 13.5 | 22.9 | 19.8 | 15.6 | 9.4 | 5.2 | 1.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 1.0 | 3.1 | 3.1 | 4.2 | 4.2 | 3.1 | 1.0 | 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 |

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