

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: P851137

Luminaire Tested: **GLAN-SB9A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25058 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

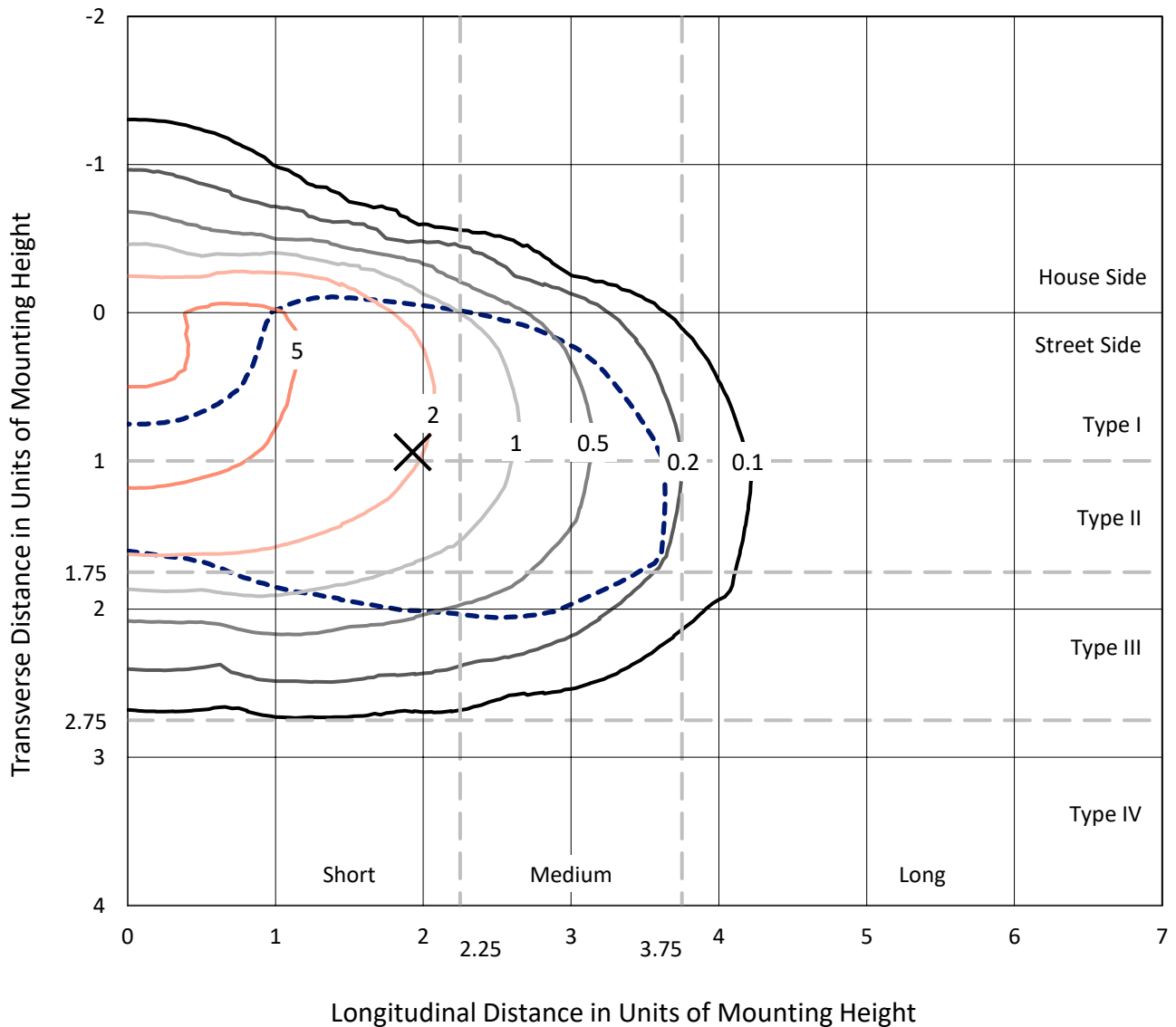
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

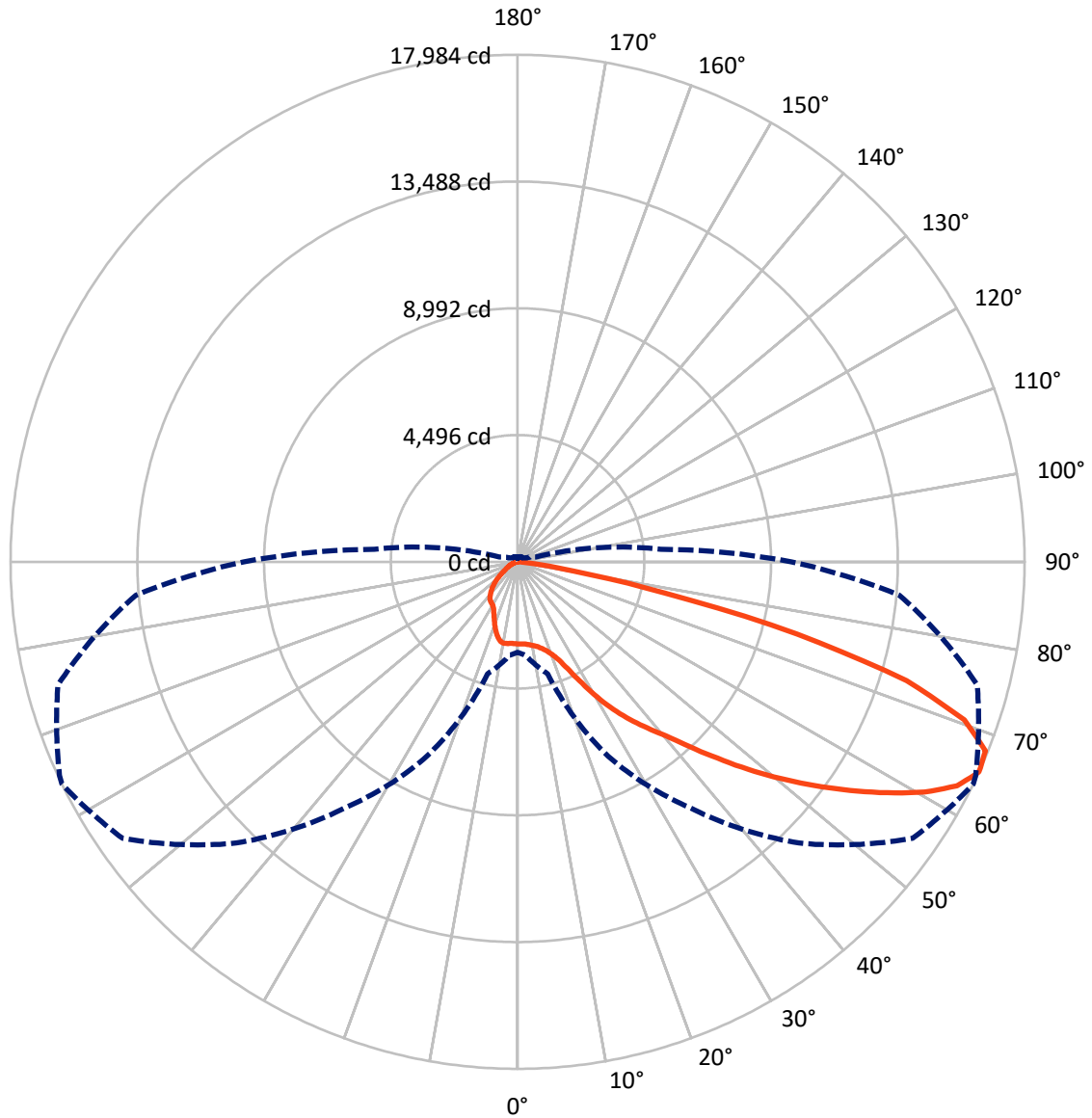
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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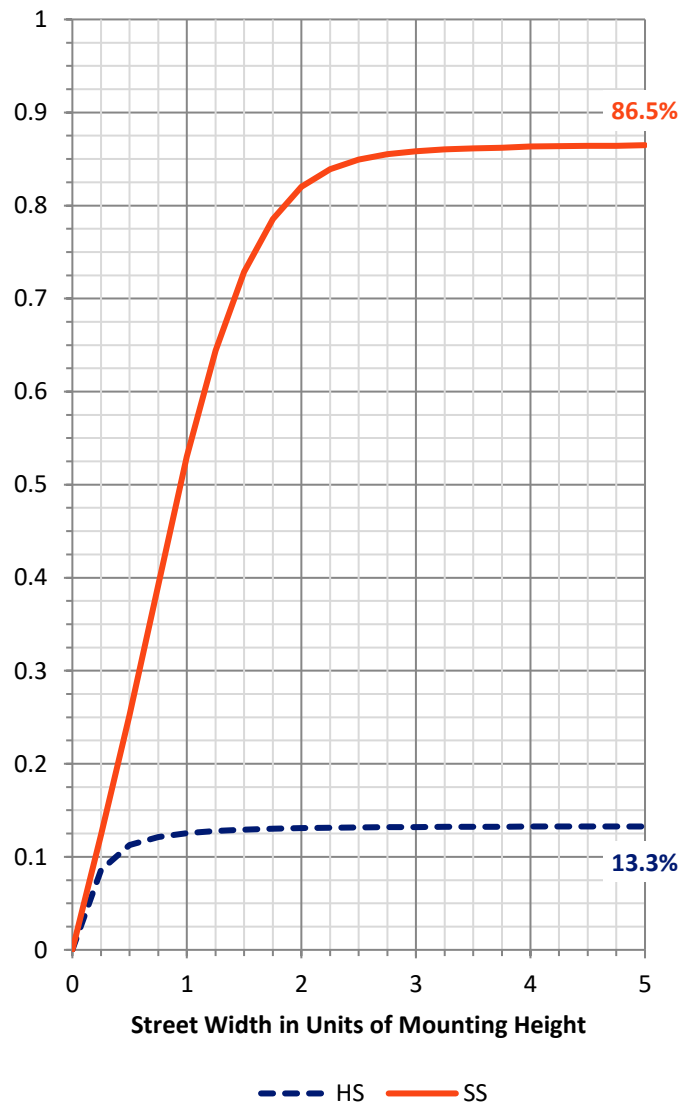
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3351.0 | 0.0 | 3351.0 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 21707.0 | 0.0 | 21707.0 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 25058.0 | 0.0 | 25058.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 268.9 | 1.1 |
| 10°-20° | 729.3 | 2.9 |
| 20°-30° | 1382.0 | 5.5 |
| 30°-40° | 2796.5 | 11.2 |
| 40°-50° | 4763.8 | 19.0 |
| 50°-60° | 6478.5 | 25.9 |
| 60°-70° | 6083.6 | 24.3 |
| 70°-80° | 2437.3 | 9.7 |
| 80°-90° | 118.1 | 0.5 |
| 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° | 25058.0 | 100.0 |
| 0°-180° | 25058.0 | 100.0 |

Coefficient of Utilization



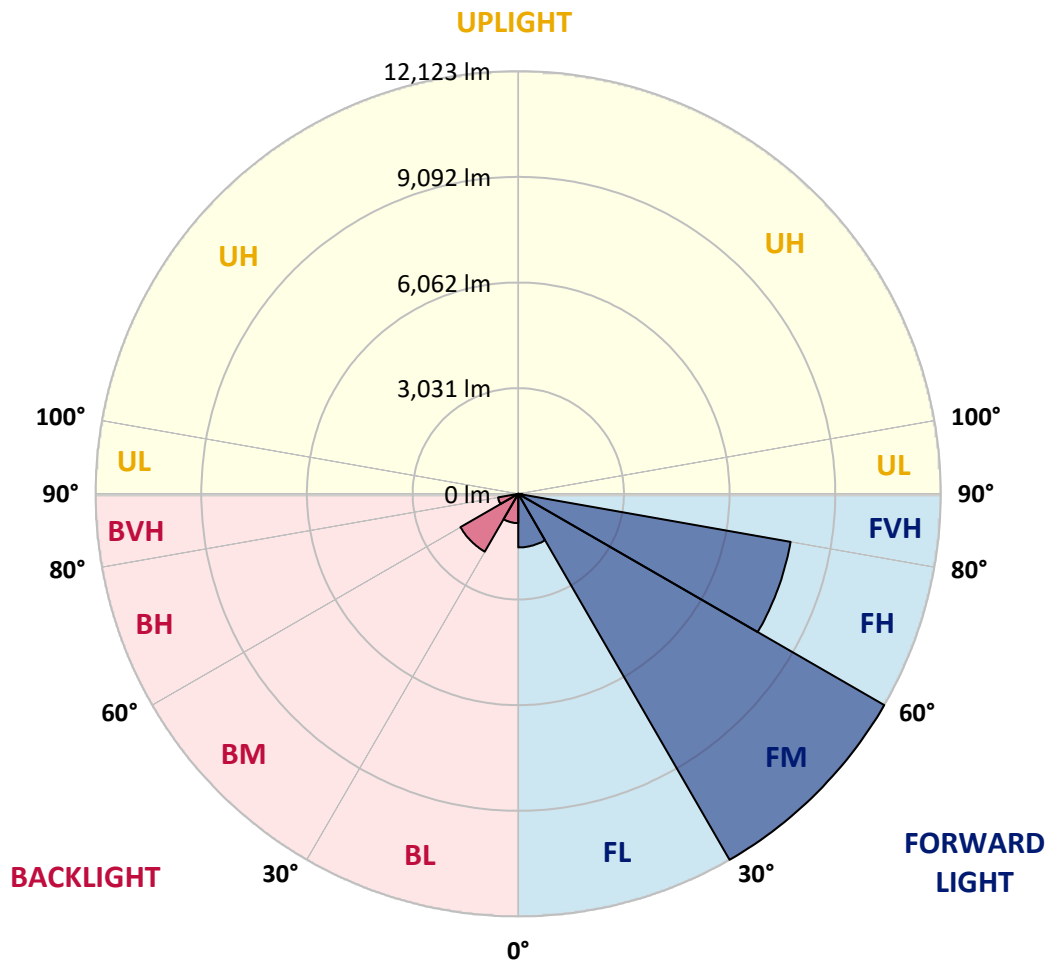
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1538.8 | 6.1 | | | |
| FM (30°-60°) | 12123.0 | 48.4 | | | |
| FH (60°-80°) | 7932.8 | 31.7 | | | G4/12000 |
| FVH (80°-90°) | 112.3 | 0.4 | | | G2/225 |
| BL (0°-30°) | 841.3 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1915.7 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 588.2 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 5.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 |
| 2.5° | 2904.4 | 2924.6 | 2919.5 | 2914.5 | 2912.8 | 2916.2 | 2917.9 | 2916.2 | 2916.2 | 2916.2 |
| 5° | 2849.0 | 2865.8 | 2865.8 | 2877.5 | 2894.3 | 2914.5 | 2929.6 | 2933.0 | 2936.3 | 2941.4 |
| 7.5° | 2743.2 | 2756.6 | 2766.7 | 2805.3 | 2847.3 | 2901.1 | 2946.4 | 2969.9 | 2973.3 | 2991.8 |
| 10° | 2670.9 | 2687.7 | 2704.5 | 2744.8 | 2805.3 | 2885.9 | 2963.2 | 3020.3 | 3028.7 | 3072.4 |
| 12.5° | 2667.6 | 2684.4 | 2706.2 | 2749.9 | 2820.4 | 2906.1 | 3000.2 | 3082.5 | 3097.6 | 3161.4 |
| 15° | 2702.8 | 2723.0 | 2743.2 | 2796.9 | 2872.5 | 2976.7 | 3077.4 | 3179.9 | 3195.0 | 3285.7 |
| 17.5° | 2775.1 | 2802.0 | 2817.1 | 2870.8 | 2951.5 | 3067.4 | 3200.1 | 3317.7 | 3331.1 | 3436.9 |
| 20° | 2917.9 | 2949.8 | 2954.8 | 2998.5 | 3077.4 | 3201.8 | 3359.7 | 3505.8 | 3522.6 | 3643.6 |
| 22.5° | 3213.5 | 3258.9 | 3218.6 | 3240.4 | 3310.9 | 3435.3 | 3606.6 | 3791.4 | 3814.9 | 3952.6 |
| 25° | 3734.3 | 3798.1 | 3693.9 | 3657.0 | 3687.2 | 3816.6 | 4031.6 | 4265.1 | 4292.0 | 4402.8 |
| 27.5° | 4757.3 | 4675.0 | 4517.1 | 4362.5 | 4271.8 | 4345.7 | 4587.6 | 4876.5 | 4910.1 | 5017.7 |
| 30° | 5881.1 | 5808.9 | 5595.5 | 5252.8 | 5037.8 | 5026.1 | 5249.5 | 5572.0 | 5610.6 | 5713.1 |
| 32.5° | 7006.6 | 6937.7 | 6705.9 | 6284.2 | 5911.3 | 5726.5 | 5881.1 | 6238.9 | 6259.0 | 6324.6 |
| 35° | 8113.6 | 8043.0 | 7811.2 | 7379.5 | 6920.9 | 6500.9 | 6470.7 | 6873.9 | 6880.6 | 6949.5 |
| 37.5° | 9227.3 | 9168.5 | 8921.6 | 8498.3 | 8046.4 | 7466.8 | 7186.3 | 7475.2 | 7483.6 | 7550.8 |
| 40° | 10021.9 | 10047.1 | 9877.4 | 9549.8 | 9161.8 | 8528.5 | 7989.3 | 8115.3 | 8064.9 | 8177.4 |
| 42.5° | 10703.9 | 10754.3 | 10606.4 | 10441.8 | 10216.7 | 9659.0 | 8983.7 | 8961.9 | 8881.3 | 8941.7 |
| 45° | 11293.5 | 11335.5 | 11202.8 | 11164.2 | 11159.1 | 10767.7 | 10070.6 | 9939.6 | 9827.0 | 9815.2 |
| 47.5° | 11510.2 | 11590.8 | 11647.9 | 11777.3 | 12029.3 | 11864.6 | 11194.4 | 10991.1 | 10865.1 | 10772.8 |
| 50° | 11592.5 | 11678.2 | 11873.0 | 12249.3 | 12845.7 | 12916.2 | 12313.2 | 12084.7 | 11930.2 | 11762.2 |
| 52.5° | 11481.6 | 11634.5 | 11896.6 | 12529.9 | 13395.0 | 13759.5 | 13386.6 | 13186.7 | 13010.3 | 12736.5 |
| 55° | 10828.2 | 10981.1 | 11516.9 | 12526.5 | 13668.8 | 14350.8 | 14401.2 | 14312.2 | 14113.9 | 13682.2 |
| 57.5° | 9450.7 | 9677.5 | 10525.8 | 12099.8 | 13663.7 | 14859.8 | 15395.6 | 15459.5 | 15237.7 | 14619.6 |
| 60° | 7542.4 | 7849.8 | 8884.6 | 11154.1 | 13242.1 | 15135.3 | 16267.5 | 16586.6 | 16351.5 | 15543.5 |
| 62.5° | 5262.9 | 5619.0 | 6598.4 | 9672.5 | 12277.9 | 14937.1 | 16904.1 | 17493.8 | 17315.7 | 16369.9 |
| 65° | 3210.2 | 3324.4 | 4113.9 | 7611.3 | 10638.4 | 14107.2 | 17100.7 | 17984.3 | 17925.5 | 16875.6 |
| 67.5° | 2138.4 | 2234.2 | 2461.0 | 5219.2 | 8258.0 | 12449.2 | 16630.3 | 17898.6 | 17915.4 | 16793.3 |
| 70° | 1288.4 | 1370.7 | 1518.6 | 3035.5 | 5351.9 | 9853.9 | 15173.9 | 16806.7 | 16904.1 | 15693.0 |
| 72.5° | 530.8 | 586.3 | 720.6 | 1375.8 | 2771.7 | 6254.0 | 12083.0 | 14429.7 | 14656.5 | 13195.1 |
| 75° | 300.7 | 329.2 | 423.3 | 690.4 | 1202.8 | 2914.5 | 7319.0 | 10243.6 | 10577.9 | 9094.6 |
| 77.5° | 199.9 | 213.3 | 273.8 | 446.8 | 677.0 | 994.5 | 3127.8 | 5336.8 | 5975.2 | 4967.3 |
| 80° | 134.4 | 146.1 | 188.1 | 299.0 | 440.1 | 426.7 | 996.1 | 1977.2 | 2432.4 | 1706.7 |
| 82.5° | 90.7 | 92.4 | 134.4 | 196.5 | 278.9 | 206.6 | 294.0 | 614.8 | 772.7 | 493.9 |
| 85° | 52.1 | 50.4 | 99.1 | 114.2 | 124.3 | 85.7 | 89.0 | 184.8 | 241.9 | 208.3 |
| 87.5° | 6.7 | 10.1 | 38.6 | 30.2 | 16.8 | 18.5 | 18.5 | 31.9 | 47.0 | 50.4 |
| 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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 CATALOG NUMBER: GLAN-SB9A-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2914.5 | 0° | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 | 2914.5 |
| 2917.9 | 2.5° | 2917.9 | 2916.2 | 2911.1 | 2906.1 | 2894.3 | 2887.6 | 2891.0 | 2887.6 | 2885.9 | 2887.6 |
| 2939.7 | 5° | 2939.7 | 2934.7 | 2921.2 | 2904.4 | 2880.9 | 2852.4 | 2833.9 | 2807.0 | 2781.8 | 2766.7 |
| 2998.5 | 7.5° | 2998.5 | 2993.5 | 2975.0 | 2927.9 | 2852.4 | 2733.1 | 2623.9 | 2528.1 | 2455.9 | 2413.9 |
| 3092.6 | 10° | 3092.6 | 3084.2 | 3055.6 | 2951.5 | 2753.2 | 2492.9 | 2276.2 | 2096.4 | 1978.8 | 1923.4 |
| 3203.4 | 12.5° | 3203.4 | 3193.4 | 3143.0 | 2929.6 | 2565.1 | 2158.6 | 1859.6 | 1659.7 | 1550.5 | 1501.8 |
| 3331.1 | 15° | 3334.5 | 3321.0 | 3221.9 | 2825.5 | 2291.3 | 1789.0 | 1515.2 | 1365.7 | 1295.1 | 1251.5 |
| 3494.0 | 17.5° | 3497.4 | 3473.9 | 3280.7 | 2669.3 | 1994.0 | 1506.8 | 1303.5 | 1191.0 | 1128.8 | 1086.9 |
| 3707.4 | 20° | 3709.1 | 3670.4 | 3327.7 | 2482.8 | 1720.1 | 1328.7 | 1160.8 | 1066.7 | 1019.7 | 982.7 |
| 4009.8 | 22.5° | 4004.7 | 3949.3 | 3384.9 | 2281.2 | 1527.0 | 1206.1 | 1054.9 | 986.1 | 947.4 | 905.4 |
| 4431.4 | 25° | 4370.9 | 4305.4 | 3455.4 | 2094.7 | 1394.3 | 1100.3 | 977.7 | 920.5 | 875.2 | 826.5 |
| 4984.1 | 27.5° | 4883.3 | 4765.7 | 3539.4 | 1941.9 | 1280.0 | 1009.6 | 907.1 | 843.3 | 791.2 | 750.9 |
| 5610.6 | 30° | 5454.4 | 5261.2 | 3613.3 | 1849.5 | 1175.9 | 925.6 | 814.7 | 750.9 | 702.2 | 673.6 |
| 6173.4 | 32.5° | 5995.3 | 5733.3 | 3662.0 | 1809.2 | 1081.8 | 829.8 | 713.9 | 645.1 | 608.1 | 599.7 |
| 6724.4 | 35° | 6506.0 | 6159.9 | 3657.0 | 1770.5 | 997.8 | 734.1 | 614.8 | 544.3 | 515.7 | 520.7 |
| 7317.3 | 37.5° | 7093.9 | 6615.2 | 3621.7 | 1710.1 | 928.9 | 646.7 | 529.1 | 467.0 | 441.8 | 443.5 |
| 8038.0 | 40° | 7777.6 | 7141.0 | 3599.9 | 1595.8 | 853.4 | 566.1 | 458.6 | 408.2 | 389.7 | 383.0 |
| 8797.3 | 42.5° | 8506.7 | 7649.9 | 3603.2 | 1466.5 | 759.3 | 493.9 | 409.9 | 367.9 | 351.1 | 346.0 |
| 9642.2 | 45° | 9239.1 | 8135.4 | 3608.3 | 1332.1 | 660.2 | 438.4 | 374.6 | 339.3 | 329.2 | 322.5 |
| 10498.9 | 47.5° | 9927.8 | 8548.7 | 3514.2 | 1187.6 | 562.7 | 396.4 | 346.0 | 322.5 | 314.1 | 305.7 |
| 11359.0 | 50° | 10569.5 | 8824.1 | 3287.4 | 1019.7 | 485.5 | 362.8 | 324.2 | 307.4 | 299.0 | 290.6 |
| 12138.5 | 52.5° | 11068.4 | 8867.8 | 2912.8 | 846.6 | 431.7 | 337.6 | 310.8 | 295.7 | 285.6 | 277.2 |
| 12768.4 | 55° | 11290.1 | 8594.0 | 2380.3 | 685.4 | 389.7 | 315.8 | 297.3 | 282.2 | 270.5 | 262.1 |
| 13263.9 | 57.5° | 11233.0 | 8017.8 | 1856.2 | 551.0 | 349.4 | 294.0 | 280.5 | 270.5 | 257.0 | 243.6 |
| 13665.4 | 60° | 10952.5 | 7246.8 | 1399.3 | 458.6 | 312.4 | 270.5 | 262.1 | 253.7 | 235.2 | 215.0 |
| 13820.0 | 62.5° | 10467.0 | 6277.5 | 997.8 | 379.6 | 272.1 | 243.6 | 240.2 | 233.5 | 206.6 | 169.7 |
| 13591.5 | 65° | 9724.5 | 5100.0 | 671.9 | 315.8 | 233.5 | 213.3 | 215.0 | 203.3 | 168.0 | 126.0 |
| 12755.0 | 67.5° | 8639.4 | 3729.2 | 430.0 | 258.7 | 194.9 | 178.1 | 179.7 | 173.0 | 142.8 | 107.5 |
| 11169.2 | 70° | 7256.9 | 2469.4 | 280.5 | 196.5 | 156.2 | 137.7 | 147.8 | 149.5 | 120.9 | 87.4 |
| 8572.2 | 72.5° | 5320.0 | 1458.1 | 196.5 | 146.1 | 114.2 | 95.8 | 120.9 | 124.3 | 97.4 | 65.5 |
| 5157.1 | 75° | 3032.1 | 692.1 | 147.8 | 105.8 | 70.6 | 67.2 | 94.1 | 94.1 | 67.2 | 43.7 |
| 2232.5 | 77.5° | 1273.3 | 288.9 | 104.1 | 68.9 | 40.3 | 38.6 | 63.8 | 58.8 | 33.6 | 20.2 |
| 544.3 | 80° | 367.9 | 129.3 | 55.4 | 33.6 | 16.8 | 15.1 | 25.2 | 18.5 | 8.4 | 3.4 |
| 206.6 | 82.5° | 144.5 | 57.1 | 21.8 | 13.4 | 6.7 | 6.7 | 3.4 | 0.0 | 0.0 | 0.0 |
| 117.6 | 85° | 85.7 | 23.5 | 10.1 | 5.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25.2 | 87.5° | 21.8 | 5.0 | 3.4 | 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 |

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|--------|
| 180° |
| 2914.5 |
| 2894.3 |
| 2770.0 |
| 2415.6 |
| 1918.4 |
| 1496.7 |
| 1253.2 |
| 1083.5 |
| 976.0 |
| 898.7 |
| 821.4 |
| 742.5 |
| 668.6 |
| 604.7 |
| 520.7 |
| 450.2 |
| 381.3 |
| 344.4 |
| 322.5 |
| 305.7 |
| 290.6 |
| 275.5 |
| 260.4 |
| 241.9 |
| 211.7 |
| 166.3 |
| 122.6 |
| 102.5 |
| 84.0 |
| 62.2 |
| 40.3 |
| 20.2 |
| 3.4 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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