

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: P845865

Luminaire Tested: **GLAN-SB1B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3217 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

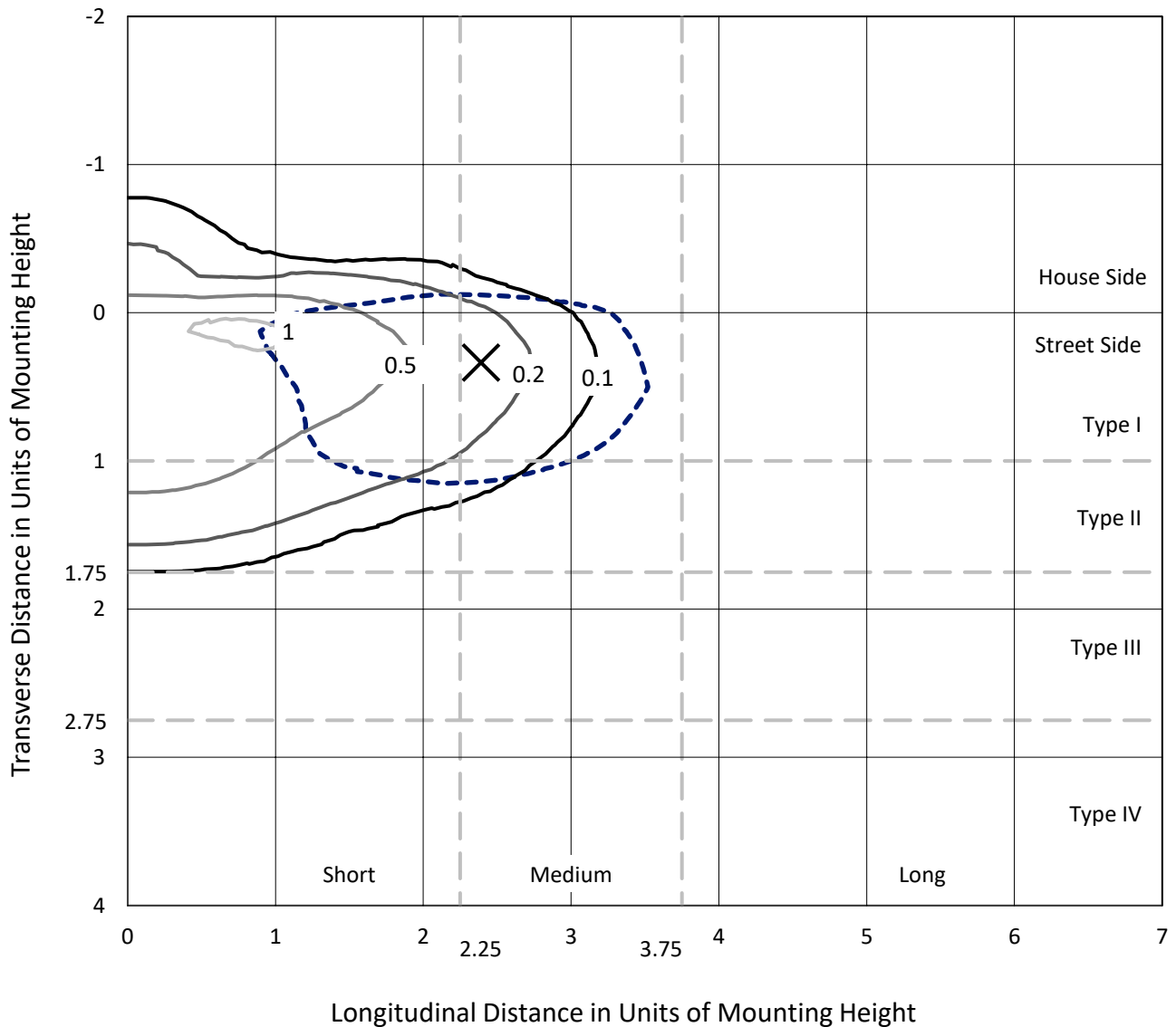
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

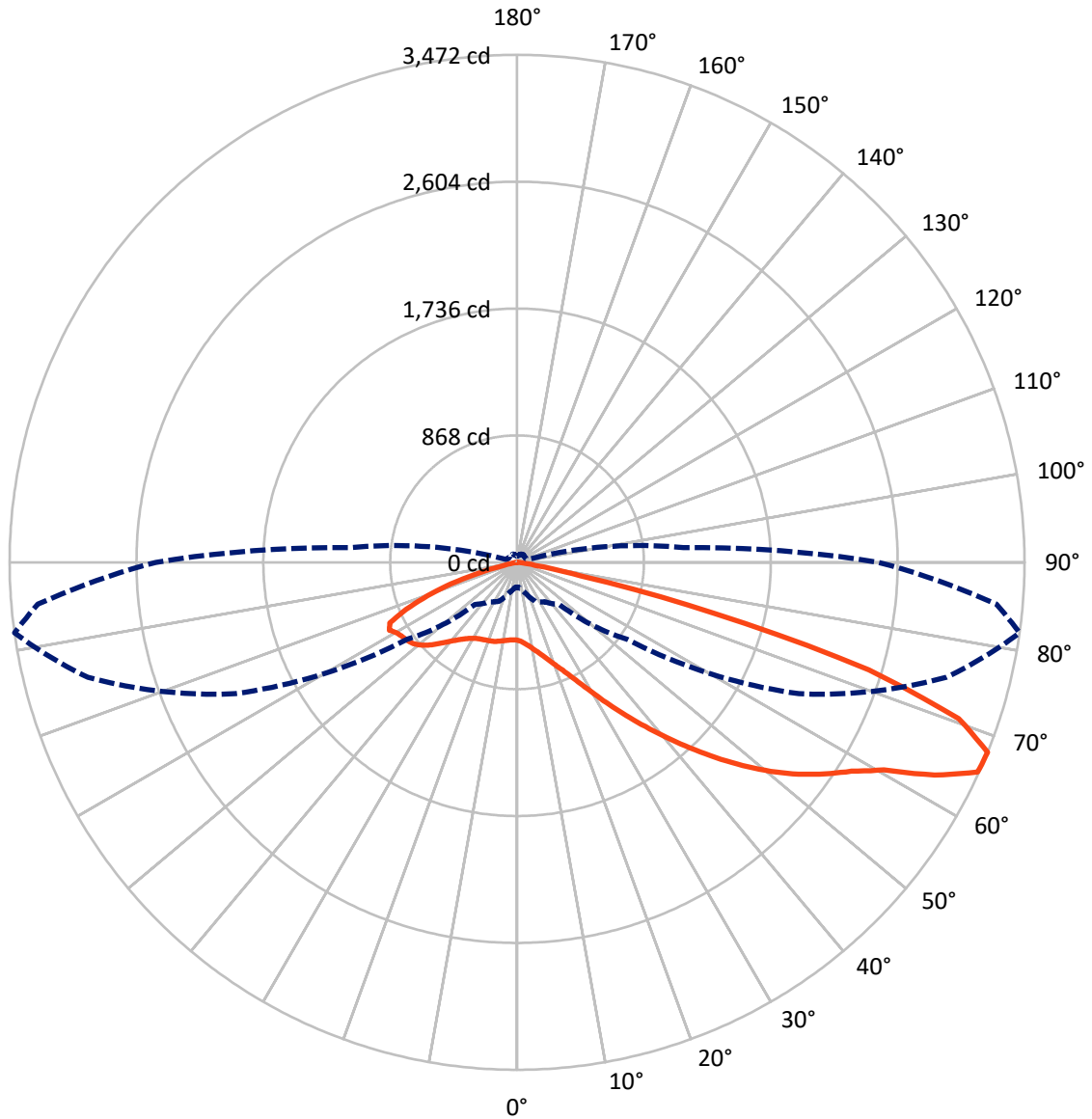
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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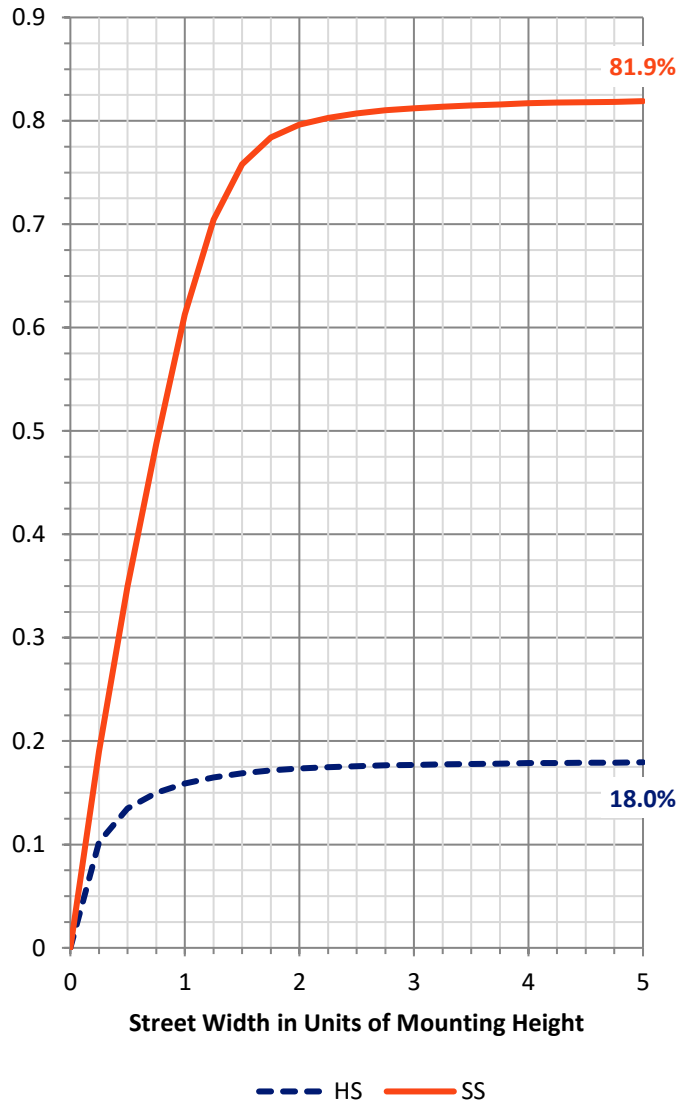
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 582.7 | 0.0 | 582.7 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 2634.3 | 0.0 | 2634.3 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 3217.0 | 0.0 | 3217.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.5 | 1.5 |
| 10°-20° | 123.4 | 3.8 |
| 20°-30° | 197.6 | 6.1 |
| 30°-40° | 349.5 | 10.9 |
| 40°-50° | 612.3 | 19.0 |
| 50°-60° | 816.6 | 25.4 |
| 60°-70° | 760.2 | 23.6 |
| 70°-80° | 291.8 | 9.1 |
| 80°-90° | 18.1 | 0.6 |
| 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° | 3217.0 | 100.0 |
| 0°-180° | 3217.0 | 100.0 |

Coefficient of Utilization

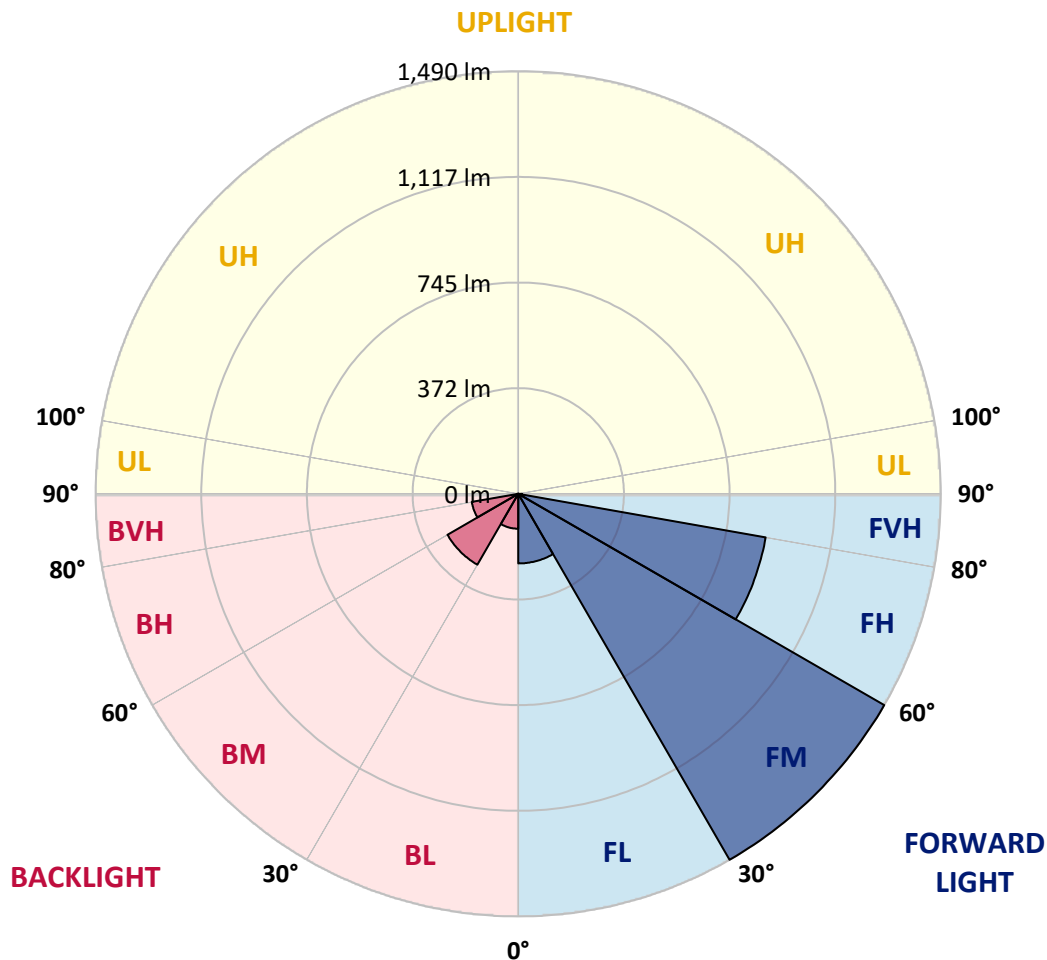


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 245.4 | 7.6 | | | |
| FM (30°-60°) | 1490.0 | 46.3 | | | |
| FH (60°-80°) | 885.7 | 27.5 | | | G1/1800 |
| FVH (80°-90°) | 13.2 | 0.4 | | | G1/100 |
| BL (0°-30°) | 123.1 | 3.8 | B1/500 | | |
| BM (30°-60°) | 288.4 | 9.0 | B1/1000 | | |
| BH (60°-80°) | 166.3 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.9 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 |
| 2.5° | 563.3 | 566.5 | 564.7 | 563.8 | 562.1 | 559.8 | 558.0 | 552.2 | 546.2 | 542.2 |
| 5° | 574.6 | 577.9 | 577.6 | 578.6 | 579.7 | 580.4 | 580.0 | 573.5 | 564.9 | 558.2 |
| 7.5° | 564.9 | 568.6 | 571.6 | 576.3 | 584.4 | 592.9 | 597.1 | 595.7 | 586.9 | 577.6 |
| 10° | 537.3 | 541.3 | 548.5 | 559.4 | 576.5 | 595.0 | 610.5 | 617.7 | 612.2 | 602.0 |
| 12.5° | 486.9 | 490.8 | 504.9 | 528.5 | 557.3 | 589.5 | 619.1 | 638.3 | 639.7 | 629.5 |
| 15° | 430.1 | 434.0 | 449.1 | 478.7 | 522.5 | 574.2 | 623.7 | 660.1 | 672.4 | 663.6 |
| 17.5° | 394.9 | 398.4 | 409.7 | 433.6 | 479.2 | 543.6 | 622.1 | 683.3 | 711.3 | 704.3 |
| 20° | 384.3 | 387.3 | 392.6 | 409.3 | 447.3 | 511.9 | 611.5 | 705.0 | 753.2 | 749.3 |
| 22.5° | 395.6 | 398.4 | 400.0 | 407.4 | 431.3 | 491.0 | 598.0 | 727.3 | 801.9 | 802.3 |
| 25° | 421.8 | 424.6 | 422.7 | 427.3 | 437.8 | 484.5 | 592.9 | 753.4 | 863.0 | 868.1 |
| 27.5° | 464.9 | 465.1 | 460.7 | 460.5 | 462.1 | 494.3 | 598.3 | 781.5 | 940.1 | 949.6 |
| 30° | 551.2 | 547.8 | 530.9 | 512.6 | 504.2 | 523.5 | 613.1 | 814.6 | 1031.2 | 1048.1 |
| 32.5° | 684.4 | 679.3 | 648.3 | 604.5 | 560.5 | 570.5 | 639.7 | 852.3 | 1130.3 | 1160.9 |
| 35° | 829.0 | 827.6 | 795.1 | 730.1 | 653.2 | 637.4 | 683.0 | 901.9 | 1238.4 | 1287.1 |
| 37.5° | 963.3 | 962.6 | 944.1 | 867.4 | 773.8 | 730.7 | 752.5 | 966.8 | 1354.3 | 1424.7 |
| 40° | 1086.0 | 1088.1 | 1069.6 | 1001.0 | 906.8 | 850.5 | 847.0 | 1046.9 | 1483.0 | 1574.5 |
| 42.5° | 1192.1 | 1194.4 | 1175.7 | 1125.0 | 1038.1 | 983.0 | 963.1 | 1145.1 | 1608.8 | 1735.5 |
| 45° | 1264.2 | 1278.5 | 1275.7 | 1235.2 | 1172.9 | 1115.7 | 1102.5 | 1268.3 | 1752.2 | 1906.2 |
| 47.5° | 1284.5 | 1297.7 | 1318.6 | 1324.1 | 1286.2 | 1229.9 | 1245.6 | 1416.8 | 1897.2 | 2077.1 |
| 50° | 1234.3 | 1246.6 | 1289.9 | 1347.5 | 1373.9 | 1356.6 | 1384.8 | 1575.9 | 2045.6 | 2247.6 |
| 52.5° | 1135.1 | 1147.7 | 1202.3 | 1293.6 | 1401.3 | 1455.9 | 1524.5 | 1732.7 | 2189.5 | 2409.0 |
| 55° | 991.8 | 1005.0 | 1075.2 | 1178.5 | 1349.2 | 1496.9 | 1641.0 | 1889.3 | 2321.3 | 2554.3 |
| 57.5° | 796.8 | 806.5 | 879.4 | 1024.0 | 1218.1 | 1456.2 | 1726.9 | 2060.2 | 2445.4 | 2696.9 |
| 60° | 519.3 | 527.9 | 612.6 | 773.8 | 1000.8 | 1320.0 | 1744.1 | 2250.8 | 2610.3 | 2882.5 |
| 62.5° | 345.3 | 351.1 | 401.4 | 519.7 | 704.8 | 1058.5 | 1643.8 | 2403.0 | 2852.1 | 3205.3 |
| 65° | 236.9 | 242.7 | 293.0 | 375.4 | 455.4 | 700.2 | 1355.4 | 2382.9 | 3071.2 | 3461.7 |
| 67.5° | 169.1 | 173.9 | 216.6 | 294.4 | 329.6 | 406.7 | 918.8 | 2125.3 | 3039.7 | 3471.5 |
| 70° | 121.1 | 123.9 | 159.1 | 229.3 | 262.0 | 244.4 | 510.9 | 1625.5 | 2661.5 | 3205.6 |
| 72.5° | 84.8 | 85.7 | 110.5 | 174.6 | 211.0 | 178.3 | 243.2 | 1083.7 | 2013.0 | 2516.0 |
| 75° | 57.4 | 58.6 | 74.3 | 128.1 | 169.3 | 136.2 | 128.8 | 581.1 | 1181.7 | 1392.7 |
| 77.5° | 35.2 | 35.7 | 47.9 | 87.6 | 126.7 | 103.8 | 82.9 | 246.2 | 457.2 | 448.9 |
| 80° | 19.9 | 19.9 | 30.6 | 54.4 | 86.4 | 66.9 | 58.1 | 104.7 | 144.8 | 127.2 |
| 82.5° | 11.1 | 11.3 | 22.2 | 33.8 | 57.2 | 39.6 | 32.0 | 48.4 | 62.5 | 55.4 |
| 85° | 4.6 | 5.1 | 13.7 | 16.0 | 27.3 | 19.7 | 13.0 | 20.4 | 23.2 | 20.6 |
| 87.5° | 0.5 | 0.7 | 4.2 | 3.0 | 3.2 | 3.9 | 1.9 | 3.9 | 3.2 | 3.2 |
| 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-SB1B-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 532.9 | 0° | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 | 532.9 |
| 540.8 | 2.5° | 536.4 | 532.9 | 524.1 | 514.0 | 500.5 | 494.0 | 485.2 | 479.2 | 474.1 | 474.6 |
| 554.3 | 5° | 546.8 | 538.0 | 518.4 | 493.8 | 463.2 | 441.5 | 418.3 | 402.3 | 389.3 | 386.6 |
| 572.8 | 7.5° | 561.2 | 547.3 | 512.8 | 468.6 | 416.9 | 377.8 | 342.8 | 320.3 | 304.3 | 299.2 |
| 595.3 | 10° | 579.7 | 559.6 | 505.6 | 436.8 | 362.5 | 312.7 | 275.2 | 257.6 | 246.7 | 243.0 |
| 621.7 | 12.5° | 601.3 | 573.7 | 496.1 | 398.1 | 306.4 | 258.5 | 234.6 | 225.8 | 222.4 | 221.2 |
| 654.1 | 15° | 628.4 | 591.3 | 481.8 | 352.3 | 258.9 | 225.4 | 215.2 | 214.0 | 214.5 | 214.0 |
| 693.0 | 17.5° | 660.6 | 610.5 | 458.4 | 305.0 | 227.0 | 208.5 | 204.7 | 205.7 | 206.8 | 206.6 |
| 736.5 | 20° | 695.8 | 629.5 | 428.5 | 263.1 | 205.2 | 196.4 | 194.3 | 195.3 | 196.2 | 195.7 |
| 786.8 | 22.5° | 735.8 | 649.9 | 395.4 | 230.5 | 190.6 | 185.3 | 183.0 | 183.2 | 183.2 | 182.3 |
| 850.5 | 25° | 783.8 | 672.4 | 360.6 | 207.3 | 179.5 | 175.3 | 172.6 | 171.6 | 170.2 | 167.5 |
| 927.9 | 27.5° | 841.0 | 696.2 | 327.3 | 191.1 | 170.7 | 166.8 | 163.5 | 161.2 | 157.7 | 153.1 |
| 1020.7 | 30° | 905.4 | 725.2 | 299.0 | 180.9 | 163.8 | 159.8 | 156.1 | 152.6 | 147.5 | 141.7 |
| 1127.5 | 32.5° | 981.1 | 756.2 | 278.4 | 174.2 | 157.5 | 153.3 | 148.9 | 144.8 | 139.2 | 133.4 |
| 1247.5 | 35° | 1071.5 | 793.7 | 266.4 | 169.5 | 152.6 | 147.1 | 142.2 | 137.6 | 133.4 | 128.3 |
| 1377.9 | 37.5° | 1169.4 | 833.6 | 262.7 | 167.2 | 149.4 | 140.8 | 135.3 | 132.0 | 131.6 | 128.5 |
| 1518.9 | 40° | 1276.7 | 880.8 | 265.4 | 165.8 | 145.9 | 134.8 | 128.8 | 128.1 | 129.2 | 123.9 |
| 1669.7 | 42.5° | 1390.2 | 936.9 | 270.1 | 164.2 | 141.1 | 128.8 | 123.0 | 123.0 | 122.1 | 114.6 |
| 1829.1 | 45° | 1512.9 | 1001.5 | 274.7 | 160.3 | 135.3 | 122.8 | 118.4 | 116.7 | 112.8 | 105.6 |
| 1989.3 | 47.5° | 1636.6 | 1067.3 | 278.2 | 153.1 | 128.3 | 117.7 | 113.7 | 110.0 | 104.2 | 97.7 |
| 2146.6 | 50° | 1754.0 | 1126.3 | 274.5 | 142.4 | 120.4 | 112.8 | 108.6 | 103.5 | 97.3 | 92.9 |
| 2295.5 | 52.5° | 1858.9 | 1177.5 | 258.7 | 129.9 | 112.1 | 107.7 | 104.0 | 98.7 | 93.6 | 88.9 |
| 2429.9 | 55° | 1950.2 | 1219.0 | 230.9 | 118.1 | 104.7 | 103.3 | 99.6 | 92.9 | 85.9 | 82.0 |
| 2563.1 | 57.5° | 2037.8 | 1250.5 | 196.2 | 108.4 | 98.0 | 98.4 | 92.9 | 86.9 | 80.4 | 76.2 |
| 2742.6 | 60° | 2154.3 | 1292.6 | 161.0 | 99.4 | 90.8 | 92.2 | 86.2 | 81.8 | 73.7 | 68.3 |
| 3050.4 | 62.5° | 2340.5 | 1358.2 | 127.9 | 88.2 | 82.5 | 82.9 | 80.4 | 75.0 | 65.3 | 59.1 |
| 3278.5 | 65° | 2488.2 | 1334.1 | 100.8 | 76.2 | 73.0 | 73.7 | 73.7 | 67.9 | 57.4 | 50.3 |
| 3290.8 | 67.5° | 2471.6 | 1142.3 | 80.4 | 64.4 | 63.9 | 64.4 | 66.0 | 61.1 | 51.0 | 45.2 |
| 3040.2 | 70° | 2276.8 | 908.6 | 64.4 | 53.5 | 55.6 | 54.4 | 59.1 | 55.8 | 45.9 | 40.1 |
| 2356.9 | 72.5° | 1857.8 | 654.5 | 49.1 | 44.2 | 42.6 | 44.5 | 53.3 | 50.3 | 38.2 | 31.7 |
| 1248.4 | 75° | 1085.6 | 349.3 | 36.6 | 35.0 | 30.8 | 37.1 | 47.2 | 42.8 | 29.2 | 23.4 |
| 382.6 | 77.5° | 353.4 | 121.8 | 26.9 | 25.7 | 22.9 | 29.9 | 40.3 | 36.1 | 23.9 | 18.5 |
| 112.1 | 80° | 94.7 | 36.8 | 18.3 | 16.9 | 14.8 | 22.2 | 32.0 | 28.7 | 17.1 | 12.0 |
| 48.2 | 82.5° | 38.0 | 15.5 | 10.7 | 9.5 | 8.1 | 15.3 | 25.2 | 23.2 | 12.7 | 7.6 |
| 15.1 | 85° | 12.3 | 5.1 | 3.9 | 3.0 | 3.7 | 9.5 | 15.1 | 15.7 | 9.0 | 3.9 |
| 2.3 | 87.5° | 1.6 | 0.7 | 0.7 | 0.9 | 0.7 | 1.6 | 4.6 | 4.4 | 2.5 | 0.5 |
| 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° |
| 532.9 |
| 469.9 |
| 380.3 |
| 294.2 |
| 240.2 |
| 220.5 |
| 213.8 |
| 206.1 |
| 195.5 |
| 181.8 |
| 167.0 |
| 152.6 |
| 141.3 |
| 133.6 |
| 127.9 |
| 128.3 |
| 124.1 |
| 114.6 |
| 105.4 |
| 97.5 |
| 92.2 |
| 88.5 |
| 81.5 |
| 75.7 |
| 67.6 |
| 58.6 |
| 49.6 |
| 44.2 |
| 39.4 |
| 31.0 |
| 22.7 |
| 17.8 |
| 11.8 |
| 7.6 |
| 3.0 |
| 0.0 |
| 0.0 |

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