

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: P939007

Luminaire Tested: **GLAN-SB1B-927-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3431 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
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

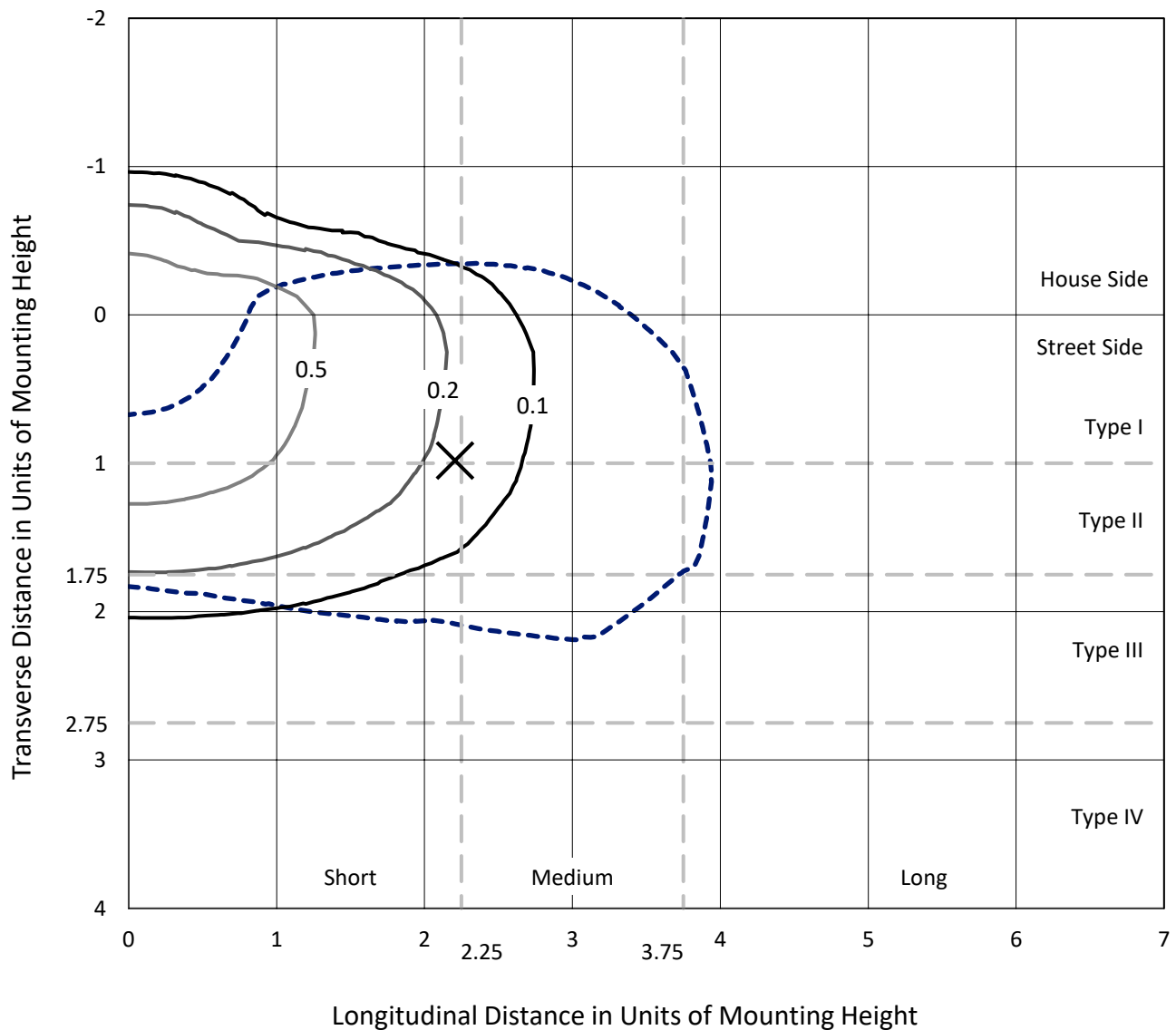


REPORT NUMBER: P939007

CATALOG NUMBER: GLAN-SB1B-927-U-T3

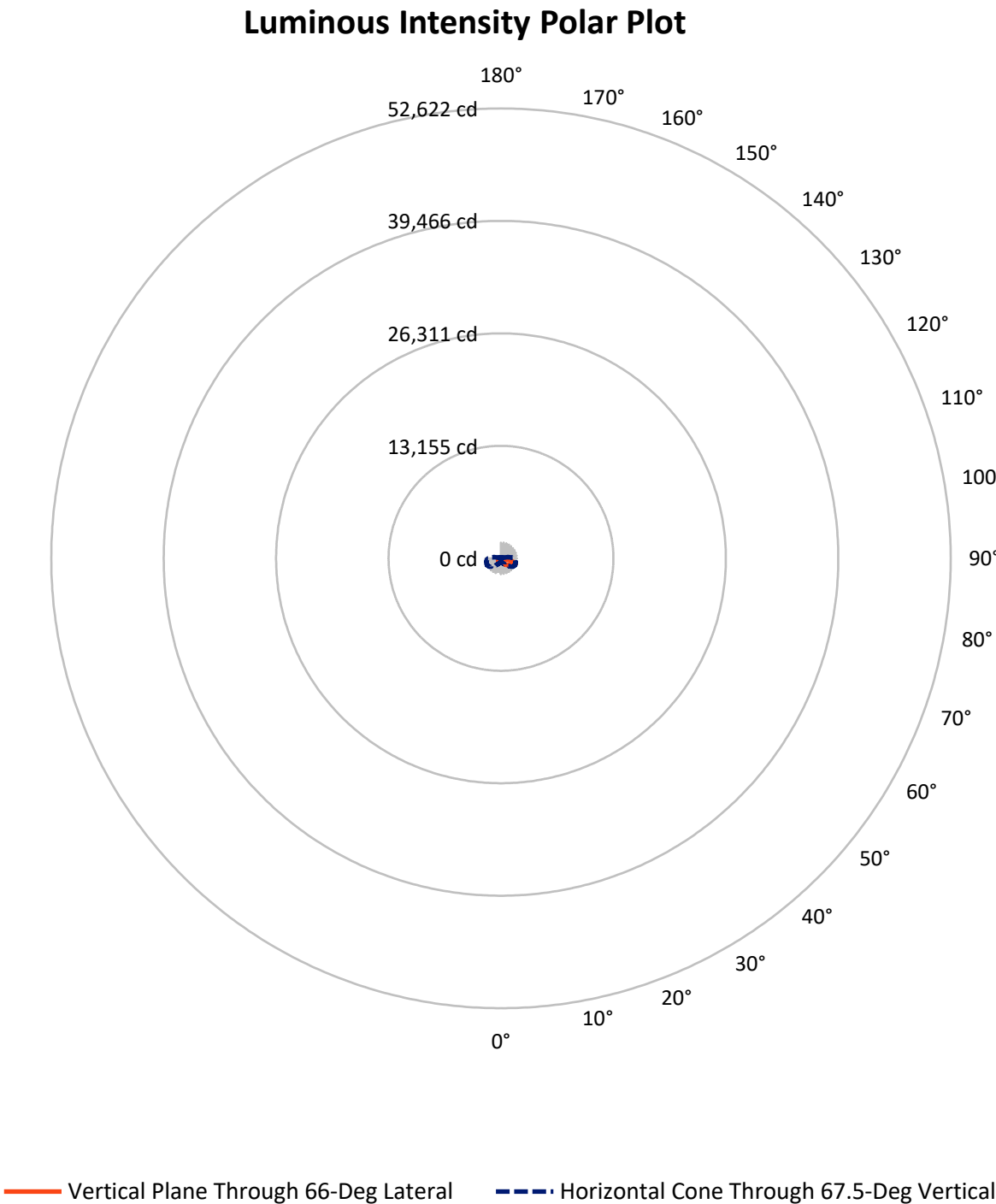
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
Type III - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 853.1    | 0.0    | 853.1  |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 2577.9   | 0.0    | 2577.9 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 3431.0   | 0.0    | 3431.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.7   | 1.1       |
| 10°-20°   | 124.7  | 3.6       |
| 20°-30°   | 240.3  | 7.0       |
| 30°-40°   | 421.3  | 12.3      |
| 40°-50°   | 626.3  | 18.3      |
| 50°-60°   | 793.9  | 23.1      |
| 60°-70°   | 776.8  | 22.6      |
| 70°-80°   | 370.5  | 10.8      |
| 80°-90°   | 39.6   | 1.2       |
| 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°    | 3431.0 | 100.0     |
| 0°-180°   | 3431.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939007

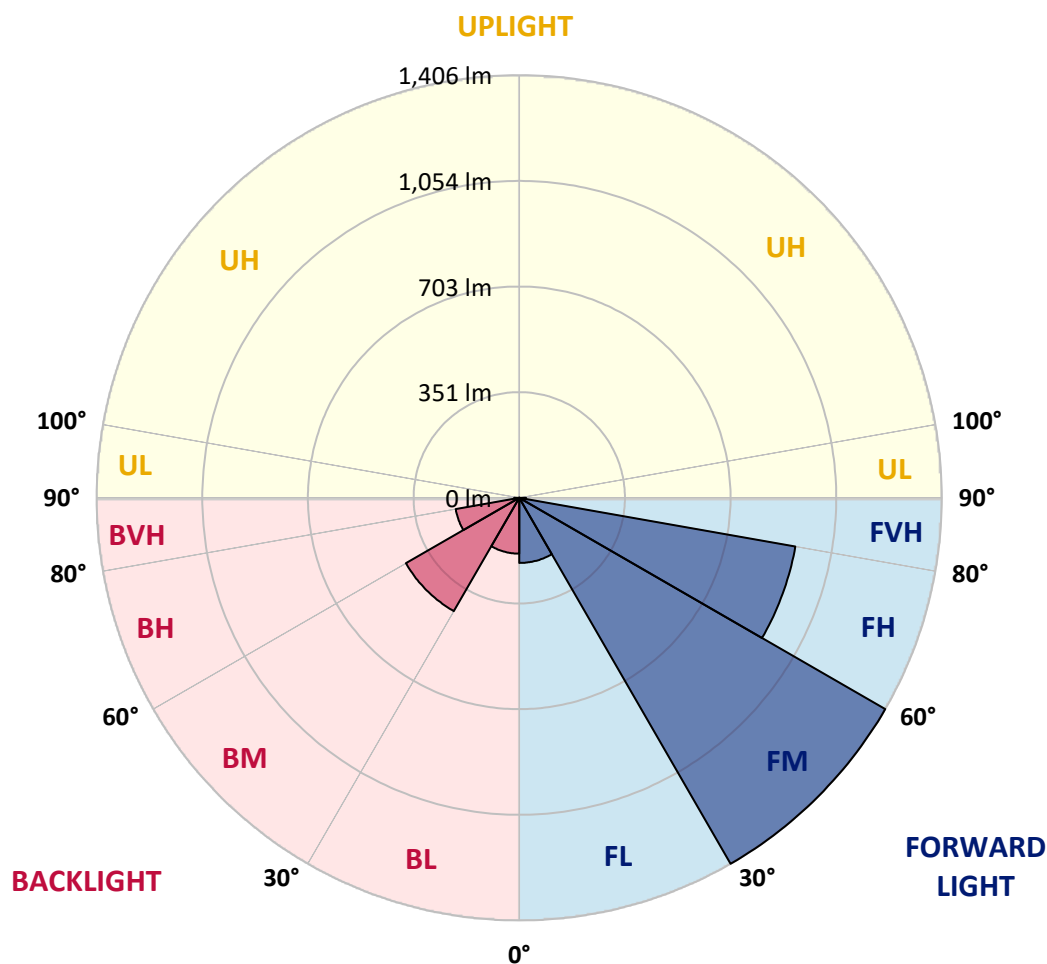
CATALOG NUMBER: GLAN-SB1B-927-U-T3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 216.8  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 1406.0 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 932.6  | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 22.5   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 185.8  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 435.4  | 12.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 214.7  | 6.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 17.1   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



REPORT NUMBER: P939007

CATALOG NUMBER: GLAN-SB1B-927-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  | 380.5  |
| 2.5°  | 376.6  | 378.7  | 378.2  | 377.3  | 377.1  | 377.5  | 378.0  | 378.6  | 378.4  | 379.3  |
| 5°    | 375.5  | 377.7  | 377.5  | 377.5  | 378.2  | 379.6  | 380.5  | 381.4  | 380.5  | 381.6  |
| 7.5°  | 376.2  | 377.8  | 378.6  | 379.3  | 381.1  | 383.8  | 386.0  | 387.9  | 386.9  | 388.1  |
| 10°   | 385.4  | 386.7  | 387.4  | 387.4  | 388.7  | 391.7  | 393.9  | 397.5  | 396.6  | 398.6  |
| 12.5° | 402.2  | 403.4  | 403.4  | 402.7  | 403.6  | 405.6  | 406.3  | 410.3  | 408.7  | 411.9  |
| 15°   | 422.7  | 425.2  | 423.3  | 422.0  | 422.4  | 424.3  | 424.2  | 427.2  | 425.6  | 428.3  |
| 17.5° | 445.4  | 448.7  | 445.4  | 445.3  | 444.5  | 446.7  | 446.9  | 449.6  | 446.7  | 448.7  |
| 20°   | 472.3  | 476.8  | 474.1  | 475.0  | 473.4  | 474.3  | 475.2  | 479.1  | 474.6  | 476.1  |
| 22.5° | 510.2  | 515.6  | 512.7  | 516.1  | 515.0  | 514.3  | 514.1  | 521.2  | 514.1  | 514.7  |
| 25°   | 565.3  | 571.8  | 566.8  | 571.4  | 571.4  | 573.8  | 576.5  | 585.5  | 573.8  | 570.4  |
| 27.5° | 646.8  | 653.3  | 643.4  | 646.3  | 645.4  | 651.1  | 648.2  | 670.6  | 658.0  | 652.4  |
| 30°   | 744.9  | 756.4  | 737.7  | 736.9  | 736.0  | 745.2  | 749.4  | 764.2  | 751.4  | 745.8  |
| 32.5° | 850.9  | 862.9  | 840.6  | 834.1  | 830.7  | 836.3  | 832.8  | 844.7  | 835.9  | 827.2  |
| 35°   | 963.0  | 974.9  | 953.6  | 941.0  | 927.3  | 915.6  | 903.3  | 906.4  | 898.1  | 884.9  |
| 37.5° | 1069.0 | 1090.8 | 1068.3 | 1054.7 | 1029.5 | 1006.6 | 972.4  | 958.1  | 950.4  | 938.3  |
| 40°   | 1177.0 | 1189.4 | 1172.3 | 1160.7 | 1133.3 | 1097.5 | 1042.7 | 1012.6 | 1002.1 | 990.4  |
| 42.5° | 1256.5 | 1268.4 | 1259.2 | 1251.2 | 1229.8 | 1188.1 | 1117.3 | 1079.6 | 1064.5 | 1051.3 |
| 45°   | 1319.6 | 1328.4 | 1322.6 | 1325.5 | 1316.3 | 1275.9 | 1194.6 | 1151.5 | 1135.9 | 1119.8 |
| 47.5° | 1345.0 | 1354.3 | 1363.5 | 1380.7 | 1396.3 | 1366.6 | 1277.7 | 1229.4 | 1212.8 | 1196.4 |
| 50°   | 1342.1 | 1351.6 | 1378.3 | 1414.7 | 1463.4 | 1453.5 | 1365.3 | 1312.3 | 1297.0 | 1278.3 |
| 52.5° | 1319.0 | 1329.8 | 1364.1 | 1424.6 | 1502.2 | 1518.6 | 1454.6 | 1398.0 | 1383.5 | 1361.2 |
| 55°   | 1258.4 | 1264.9 | 1316.3 | 1402.1 | 1511.4 | 1564.0 | 1542.0 | 1489.2 | 1474.8 | 1443.6 |
| 57.5° | 1146.1 | 1155.5 | 1230.3 | 1341.4 | 1488.3 | 1594.8 | 1618.8 | 1585.1 | 1571.2 | 1526.3 |
| 60°   | 999.6  | 1014.5 | 1100.2 | 1239.3 | 1429.5 | 1594.6 | 1688.6 | 1679.4 | 1667.8 | 1607.8 |
| 62.5° | 833.7  | 851.0  | 933.4  | 1095.1 | 1326.8 | 1549.4 | 1732.2 | 1758.3 | 1752.4 | 1683.0 |
| 65°   | 640.3  | 652.2  | 734.2  | 908.5  | 1166.9 | 1452.2 | 1737.2 | 1812.2 | 1813.3 | 1740.1 |
| 67.5° | 426.3  | 460.6  | 531.8  | 681.8  | 952.7  | 1293.4 | 1692.9 | 1821.1 | 1831.5 | 1759.8 |
| 70°   | 208.0  | 253.1  | 322.9  | 443.1  | 681.8  | 1049.9 | 1577.0 | 1748.6 | 1771.8 | 1702.4 |
| 72.5° | 86.3   | 100.9  | 139.0  | 218.7  | 391.4  | 708.4  | 1344.1 | 1552.1 | 1595.2 | 1508.5 |
| 75°   | 58.2   | 63.1   | 79.5   | 112.1  | 178.3  | 349.4  | 969.3  | 1157.3 | 1226.7 | 1139.3 |
| 77.5° | 44.9   | 48.0   | 57.9   | 78.4   | 106.0  | 132.1  | 518.8  | 697.5  | 733.3  | 678.9  |
| 80°   | 35.3   | 37.7   | 43.3   | 57.1   | 75.2   | 70.7   | 176.8  | 316.0  | 336.7  | 282.5  |
| 82.5° | 30.6   | 31.5   | 31.0   | 38.8   | 49.9   | 41.3   | 58.0   | 116.6  | 128.7  | 93.4   |
| 85°   | 22.2   | 24.7   | 25.8   | 24.0   | 26.5   | 20.9   | 23.8   | 41.3   | 45.4   | 40.6   |
| 87.5° | 9.0    | 13.3   | 16.4   | 15.5   | 9.7    | 5.9    | 7.4    | 12.1   | 13.9   | 15.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939007

CATALOG NUMBER: GLAN-SB1B-927-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 380.5  | 0°    | 380.5  | 380.5  | 380.5 | 380.5 | 380.5 | 380.5 | 380.5 | 380.5 | 380.5 | 380.5 |
| 380.7  | 2.5°  | 380.9  | 382.2  | 383.1 | 384.1 | 384.9 | 386.0 | 388.1 | 389.4 | 389.6 | 390.5 |
| 383.6  | 5°    | 384.3  | 386.1  | 388.1 | 391.0 | 394.2 | 396.9 | 401.1 | 404.0 | 405.1 | 406.0 |
| 390.6  | 7.5°  | 391.7  | 394.2  | 397.8 | 402.9 | 407.6 | 411.2 | 416.2 | 419.7 | 423.1 | 424.3 |
| 401.8  | 10°   | 402.7  | 406.3  | 411.5 | 418.4 | 423.4 | 428.1 | 433.4 | 436.2 | 439.7 | 441.1 |
| 415.2  | 12.5° | 416.4  | 420.2  | 427.1 | 436.6 | 441.3 | 444.5 | 446.3 | 445.6 | 446.3 | 447.6 |
| 431.2  | 15°   | 432.1  | 436.2  | 444.0 | 454.3 | 457.5 | 454.6 | 450.7 | 447.1 | 446.5 | 446.9 |
| 450.7  | 17.5° | 450.7  | 453.7  | 462.7 | 471.4 | 469.1 | 457.2 | 448.5 | 442.7 | 439.9 | 438.9 |
| 475.5  | 20°   | 476.6  | 476.6  | 484.0 | 489.4 | 473.7 | 453.6 | 440.0 | 430.7 | 424.7 | 422.2 |
| 509.4  | 22.5° | 508.2  | 505.3  | 510.0 | 506.2 | 472.8 | 443.5 | 424.7 | 408.5 | 399.5 | 395.9 |
| 556.8  | 25°   | 548.2  | 544.8  | 543.5 | 520.1 | 466.4 | 427.4 | 396.9 | 377.3 | 369.4 | 367.4 |
| 625.2  | 27.5° | 608.6  | 599.9  | 583.5 | 527.6 | 454.5 | 402.2 | 364.5 | 346.3 | 341.8 | 342.0 |
| 713.0  | 30°   | 689.0  | 671.7  | 631.5 | 528.9 | 435.0 | 366.5 | 331.3 | 318.4 | 316.2 | 317.1 |
| 786.7  | 32.5° | 763.4  | 747.0  | 680.5 | 523.1 | 405.1 | 331.5 | 301.6 | 292.9 | 289.7 | 290.8 |
| 842.9  | 35°   | 821.8  | 817.3  | 725.9 | 515.0 | 368.3 | 298.7 | 274.9 | 267.5 | 261.2 | 259.8 |
| 895.9  | 37.5° | 877.0  | 875.2  | 760.0 | 503.7 | 331.9 | 275.4 | 253.5 | 243.7 | 234.5 | 229.5 |
| 954.5  | 40°   | 937.6  | 935.8  | 782.4 | 486.2 | 299.6 | 255.3 | 234.2 | 221.4 | 210.0 | 200.8 |
| 1020.9 | 42.5° | 1005.7 | 995.1  | 793.0 | 461.1 | 272.2 | 238.1 | 218.5 | 201.2 | 186.2 | 177.7 |
| 1095.8 | 45°   | 1080.2 | 1056.2 | 792.8 | 429.2 | 249.1 | 222.4 | 201.7 | 177.2 | 163.3 | 155.4 |
| 1172.8 | 47.5° | 1159.1 | 1114.6 | 783.1 | 393.9 | 226.8 | 205.1 | 175.8 | 157.0 | 147.8 | 143.0 |
| 1256.5 | 50°   | 1240.6 | 1169.2 | 766.5 | 353.3 | 203.9 | 185.5 | 159.5 | 146.7 | 139.7 | 135.2 |
| 1339.4 | 52.5° | 1317.2 | 1218.8 | 746.5 | 307.4 | 180.6 | 166.4 | 152.3 | 142.4 | 135.0 | 130.0 |
| 1419.8 | 55°   | 1388.4 | 1261.5 | 718.2 | 260.3 | 161.7 | 153.6 | 148.9 | 140.6 | 132.1 | 126.2 |
| 1501.4 | 57.5° | 1451.7 | 1289.3 | 669.3 | 216.1 | 148.2 | 144.8 | 145.3 | 137.5 | 127.8 | 122.8 |
| 1581.8 | 60°   | 1504.3 | 1309.6 | 597.0 | 175.2 | 137.2 | 136.1 | 139.7 | 131.8 | 120.4 | 114.6 |
| 1649.8 | 62.5° | 1535.9 | 1309.3 | 508.4 | 143.5 | 127.8 | 128.2 | 132.3 | 124.6 | 113.0 | 107.6 |
| 1685.3 | 65°   | 1533.2 | 1277.2 | 411.0 | 122.8 | 118.8 | 119.2 | 124.6 | 116.6 | 106.9 | 103.7 |
| 1667.5 | 67.5° | 1478.9 | 1199.0 | 315.3 | 109.2 | 108.9 | 110.5 | 116.8 | 111.2 | 103.1 | 102.8 |
| 1561.1 | 70°   | 1332.0 | 1036.5 | 227.1 | 98.4  | 98.6  | 100.9 | 109.2 | 107.8 | 101.1 | 101.9 |
| 1312.5 | 72.5° | 1068.1 | 790.3  | 152.5 | 87.1  | 87.2  | 91.0  | 102.0 | 105.1 | 99.1  | 108.7 |
| 931.3  | 75°   | 711.3  | 492.8  | 98.1  | 75.0  | 75.2  | 80.0  | 95.7  | 99.9  | 93.7  | 108.3 |
| 484.6  | 77.5° | 341.8  | 221.5  | 71.0  | 63.1  | 63.1  | 67.6  | 82.7  | 89.4  | 79.9  | 84.2  |
| 155.8  | 80°   | 118.1  | 83.3   | 55.9  | 50.8  | 49.8  | 52.8  | 69.8  | 77.5  | 68.9  | 63.5  |
| 50.8   | 82.5° | 46.5   | 43.3   | 44.9  | 39.5  | 35.9  | 37.9  | 54.3  | 64.0  | 50.7  | 45.8  |
| 28.7   | 85°   | 26.7   | 28.1   | 31.7  | 26.1  | 20.7  | 23.3  | 39.8  | 46.0  | 38.2  | 33.7  |
| 9.4    | 87.5° | 7.2    | 9.9    | 14.6  | 13.5  | 9.4   | 9.9   | 18.9  | 25.4  | 22.0  | 16.9  |
| 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°  |
|-------|
| 380.5 |
| 390.3 |
| 405.8 |
| 424.5 |
| 441.8 |
| 448.0 |
| 448.1 |
| 440.2 |
| 421.6 |
| 395.3 |
| 367.7 |
| 342.5 |
| 320.2 |
| 292.2 |
| 260.8 |
| 229.7 |
| 201.7 |
| 178.3 |
| 155.0 |
| 141.9 |
| 133.6 |
| 127.8 |
| 123.8 |
| 119.5 |
| 112.1 |
| 106.0 |
| 103.5 |
| 103.3 |
| 101.7 |
| 110.1 |
| 109.2 |
| 77.2  |
| 59.5  |
| 45.6  |
| 34.4  |
| 17.5  |
| 0.0   |