

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: P947954

Luminaire Tested: **GLAN-SB3A-927-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8302 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.7  
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



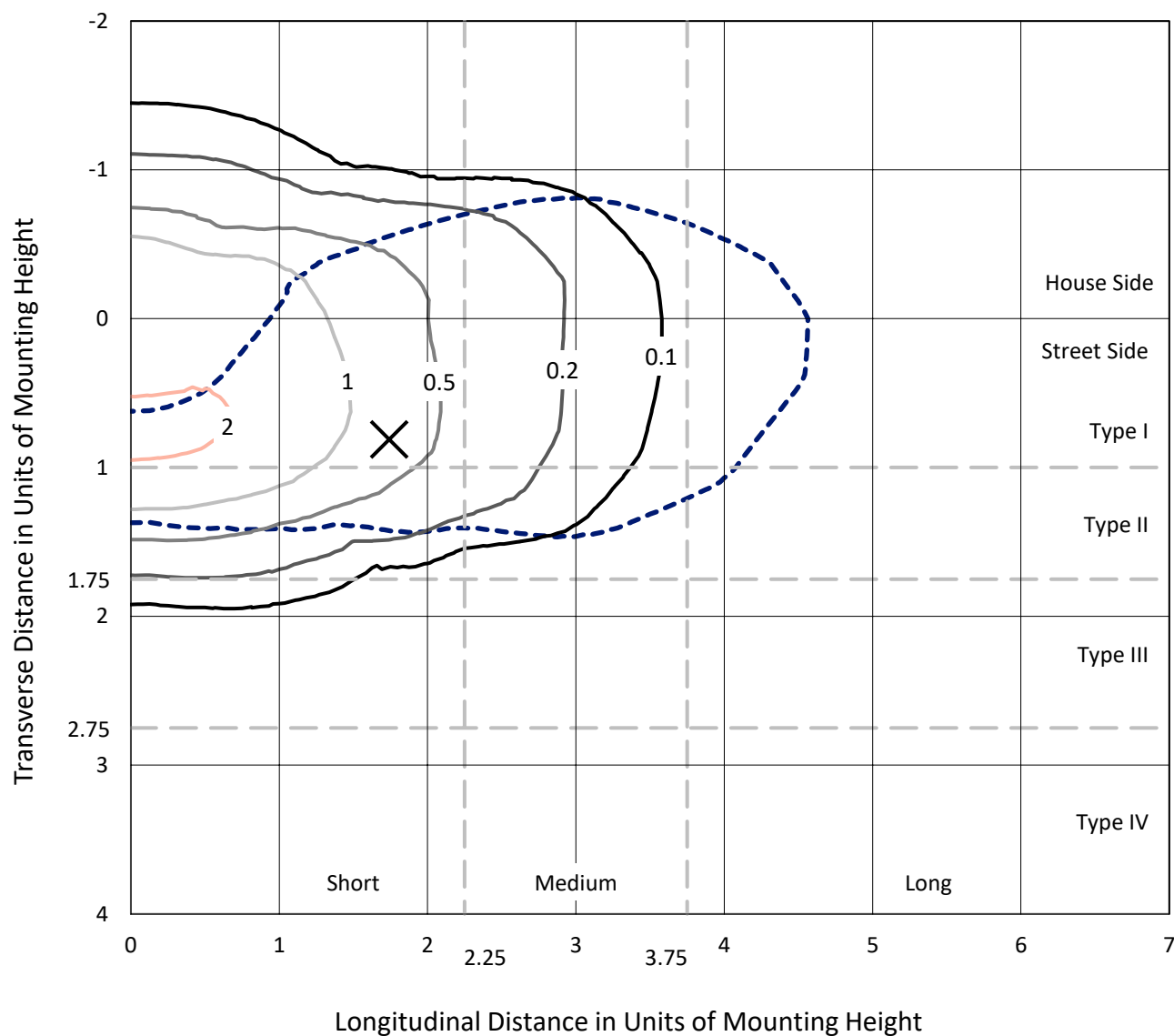
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

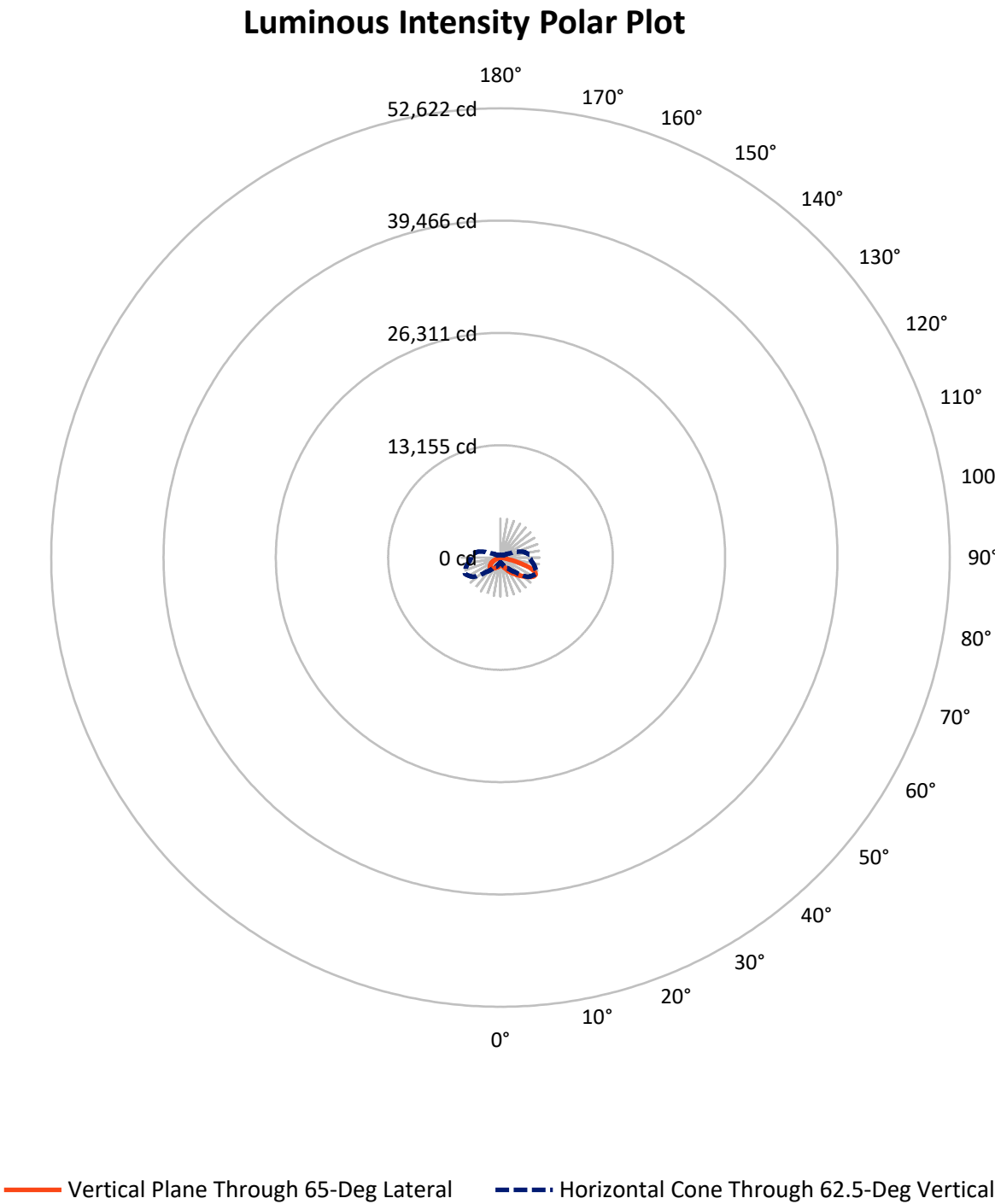
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc

Type II - Short - N/A

REPORT NUMBER: P947954  
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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2619.7   | 0.0    | 2619.7 |
|                    | % Fixture | 31.6     | 0.0    | 31.6   |
| <b>Street Side</b> | Lumens    | 5682.3   | 0.0    | 5682.3 |
|                    | % Fixture | 68.4     | 0.0    | 68.4   |
| <b>Total</b>       | Lumens    | 8302.0   | 0.0    | 8302.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.2   | 1.1       |
| 10°-20°   | 309.3  | 3.7       |
| 20°-30°   | 627.1  | 7.6       |
| 30°-40°   | 1085.2 | 13.1      |
| 40°-50°   | 1642.3 | 19.8      |
| 50°-60°   | 1925.5 | 23.2      |
| 60°-70°   | 1614.3 | 19.4      |
| 70°-80°   | 891.2  | 10.7      |
| 80°-90°   | 115.8  | 1.4       |
| 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°    | 8302.0 | 100.0     |
| 0°-180°   | 8302.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P947954

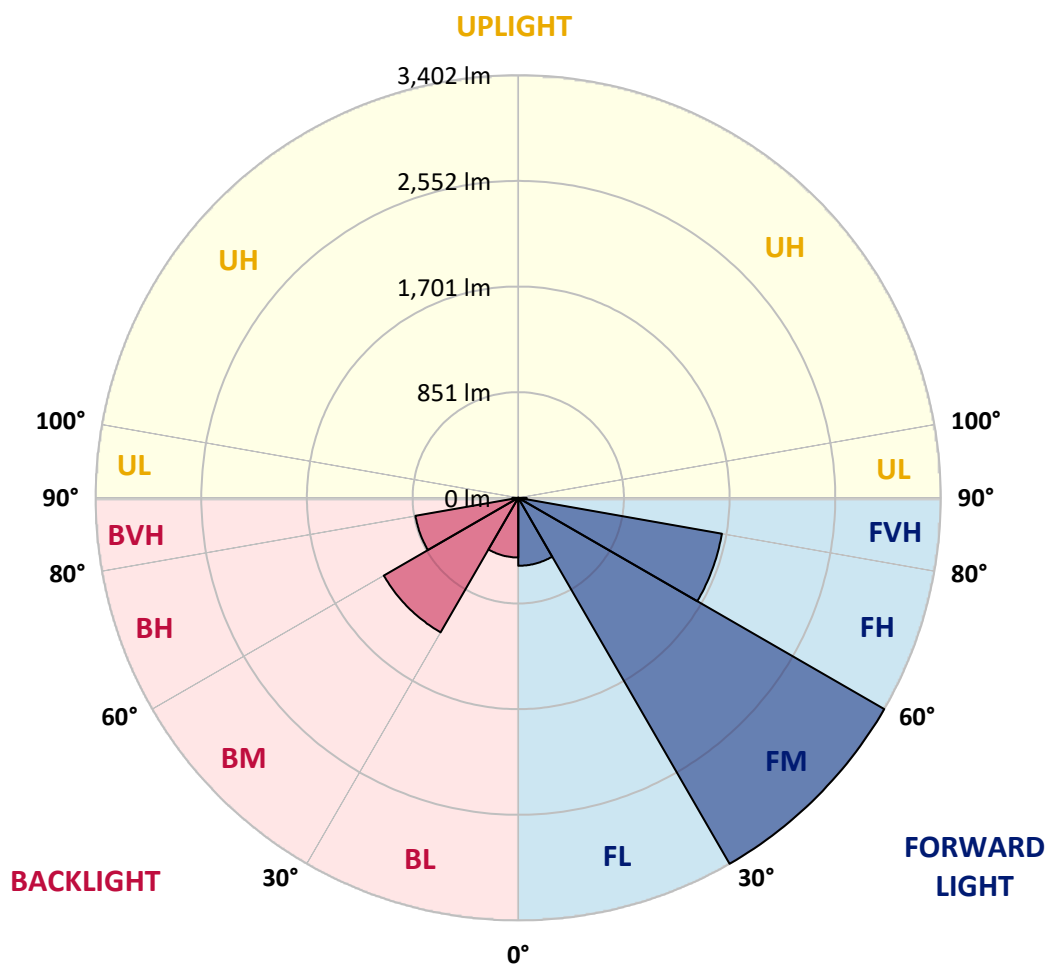
CATALOG NUMBER: GLAN-SB3A-927-U-T2U

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 547.2  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 3402.4 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1665.1 | 20.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 67.5   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 480.4  | 5.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1250.6 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 840.4  | 10.1      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 48.3   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short



REPORT NUMBER: P947954

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  |
| 2.5°  | 908.8  | 906.2  | 908.4  | 908.4  | 909.2  | 908.8  | 911.8  | 912.7  | 914.0  | 916.6  |
| 5°    | 899.8  | 899.3  | 903.2  | 906.7  | 910.1  | 913.1  | 917.0  | 922.6  | 923.5  | 926.5  |
| 7.5°  | 896.8  | 894.2  | 900.2  | 904.5  | 912.7  | 920.0  | 930.4  | 939.8  | 943.7  | 945.0  |
| 10°   | 920.0  | 915.7  | 921.3  | 923.9  | 930.8  | 938.1  | 950.2  | 965.2  | 969.5  | 974.7  |
| 12.5° | 959.6  | 954.9  | 963.1  | 967.0  | 973.4  | 979.9  | 988.1  | 1002.7 | 1004.9 | 1014.3 |
| 15°   | 1013.9 | 1008.3 | 1013.5 | 1018.2 | 1029.0 | 1035.0 | 1043.2 | 1057.4 | 1057.4 | 1064.7 |
| 17.5° | 1087.6 | 1080.2 | 1084.1 | 1085.8 | 1092.7 | 1101.8 | 1115.6 | 1128.0 | 1134.5 | 1131.9 |
| 20°   | 1197.4 | 1188.4 | 1188.4 | 1179.7 | 1177.2 | 1184.5 | 1202.6 | 1219.8 | 1226.7 | 1213.3 |
| 22.5° | 1362.4 | 1349.4 | 1342.1 | 1312.8 | 1301.2 | 1302.1 | 1320.1 | 1341.3 | 1346.9 | 1323.2 |
| 25°   | 1572.1 | 1551.9 | 1542.0 | 1498.9 | 1472.6 | 1449.8 | 1464.0 | 1491.1 | 1498.9 | 1469.6 |
| 27.5° | 1781.9 | 1783.2 | 1773.7 | 1722.0 | 1678.5 | 1636.7 | 1629.4 | 1657.8 | 1666.0 | 1632.9 |
| 30°   | 2076.1 | 2045.5 | 2027.4 | 1965.4 | 1903.3 | 1844.8 | 1814.6 | 1826.2 | 1828.4 | 1788.8 |
| 32.5° | 2329.8 | 2322.0 | 2283.2 | 2229.0 | 2149.3 | 2057.5 | 2007.1 | 1988.6 | 1985.2 | 1928.8 |
| 35°   | 2618.8 | 2614.5 | 2573.5 | 2508.9 | 2422.8 | 2295.3 | 2204.4 | 2151.4 | 2147.1 | 2067.9 |
| 37.5° | 2912.5 | 2912.5 | 2872.5 | 2801.8 | 2712.7 | 2553.3 | 2415.0 | 2331.0 | 2317.3 | 2213.9 |
| 40°   | 3146.8 | 3132.6 | 3139.9 | 3110.2 | 3008.1 | 2838.9 | 2648.9 | 2527.0 | 2508.5 | 2384.5 |
| 42.5° | 3279.9 | 3275.2 | 3319.1 | 3352.3 | 3310.5 | 3175.3 | 2906.5 | 2739.4 | 2713.5 | 2572.2 |
| 45°   | 3309.6 | 3304.5 | 3382.9 | 3504.3 | 3562.9 | 3507.3 | 3186.4 | 2962.9 | 2931.5 | 2768.7 |
| 47.5° | 3241.2 | 3230.8 | 3345.8 | 3537.5 | 3725.3 | 3823.1 | 3489.7 | 3205.4 | 3159.7 | 2959.9 |
| 50°   | 3035.3 | 3025.4 | 3199.4 | 3453.9 | 3780.0 | 4037.5 | 3818.7 | 3462.5 | 3392.8 | 3164.9 |
| 52.5° | 2587.8 | 2592.5 | 2865.1 | 3214.9 | 3708.0 | 4171.1 | 4102.2 | 3733.5 | 3649.5 | 3374.7 |
| 55°   | 2015.8 | 2026.1 | 2361.2 | 2746.3 | 3420.3 | 4150.8 | 4295.5 | 4012.6 | 3929.0 | 3571.9 |
| 57.5° | 1443.3 | 1489.0 | 1803.0 | 2184.2 | 2867.7 | 3829.9 | 4337.8 | 4277.9 | 4196.9 | 3787.3 |
| 60°   | 935.5  | 943.7  | 1266.7 | 1650.9 | 2183.7 | 3259.7 | 4252.0 | 4479.0 | 4415.7 | 4007.0 |
| 62.5° | 599.6  | 605.2  | 802.0  | 1154.8 | 1571.7 | 2411.6 | 3963.5 | 4566.5 | 4547.1 | 4152.1 |
| 65°   | 440.6  | 436.3  | 538.8  | 763.2  | 1058.7 | 1487.3 | 3403.1 | 4524.3 | 4562.6 | 4243.0 |
| 67.5° | 367.8  | 361.8  | 412.2  | 528.5  | 780.0  | 844.6  | 2518.0 | 4249.9 | 4390.3 | 4232.7 |
| 70°   | 335.1  | 329.9  | 360.5  | 392.4  | 608.6  | 565.5  | 1269.3 | 3694.7 | 3910.9 | 4115.1 |
| 72.5° | 283.8  | 274.8  | 316.6  | 348.5  | 473.4  | 433.7  | 524.6  | 2838.0 | 3101.6 | 3738.2 |
| 75°   | 220.1  | 214.1  | 249.8  | 306.7  | 355.8  | 338.5  | 331.7  | 1723.3 | 2011.0 | 2891.0 |
| 77.5° | 174.4  | 166.3  | 199.0  | 239.0  | 320.0  | 255.4  | 241.6  | 742.1  | 1027.3 | 1845.6 |
| 80°   | 131.4  | 124.0  | 151.2  | 189.1  | 245.9  | 192.5  | 156.4  | 302.8  | 387.2  | 935.1  |
| 82.5° | 93.5   | 87.0   | 105.5  | 138.7  | 165.4  | 172.7  | 96.1   | 169.7  | 190.8  | 360.5  |
| 85°   | 59.9   | 56.0   | 70.6   | 87.0   | 105.1  | 111.1  | 58.6   | 88.7   | 97.3   | 148.6  |
| 87.5° | 32.7   | 26.7   | 37.9   | 40.5   | 48.7   | 44.4   | 28.0   | 32.3   | 34.9   | 53.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P947954

CATALOG NUMBER: GLAN-SB3A-927-U-T2U

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 914.8  | 0°    | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  | 914.8  |
| 916.6  | 2.5°  | 918.3  | 919.6  | 923.9  | 925.2  | 928.2  | 932.1  | 934.7  | 937.2  | 937.2  | 939.8  |
| 930.4  | 5°    | 930.8  | 933.8  | 942.8  | 947.6  | 955.3  | 963.1  | 967.8  | 973.4  | 976.9  | 978.6  |
| 952.3  | 7.5°  | 954.9  | 959.6  | 972.6  | 980.7  | 994.1  | 1004.9 | 1012.2 | 1019.9 | 1021.7 | 1026.4 |
| 982.9  | 10°   | 987.6  | 993.2  | 1007.9 | 1023.4 | 1039.3 | 1052.7 | 1059.6 | 1065.2 | 1067.3 | 1068.2 |
| 1022.1 | 12.5° | 1025.1 | 1033.3 | 1052.2 | 1071.2 | 1088.0 | 1099.6 | 1101.3 | 1100.1 | 1094.0 | 1088.9 |
| 1070.3 | 15°   | 1071.2 | 1078.5 | 1099.6 | 1120.3 | 1136.7 | 1138.8 | 1128.0 | 1121.2 | 1113.8 | 1112.5 |
| 1124.2 | 17.5° | 1126.3 | 1130.2 | 1149.6 | 1169.8 | 1171.1 | 1163.8 | 1147.9 | 1141.4 | 1134.5 | 1129.8 |
| 1194.4 | 20°   | 1190.5 | 1189.2 | 1203.0 | 1211.6 | 1202.6 | 1180.2 | 1156.0 | 1145.3 | 1138.4 | 1132.8 |
| 1280.5 | 22.5° | 1267.2 | 1257.3 | 1255.5 | 1253.4 | 1229.3 | 1182.3 | 1149.6 | 1135.8 | 1125.0 | 1117.3 |
| 1400.7 | 25°   | 1378.7 | 1340.8 | 1314.6 | 1299.9 | 1245.6 | 1170.7 | 1128.9 | 1098.3 | 1078.1 | 1064.7 |
| 1547.6 | 27.5° | 1518.3 | 1454.5 | 1388.2 | 1352.5 | 1245.6 | 1147.0 | 1078.9 | 1029.4 | 996.3  | 982.5  |
| 1689.7 | 30°   | 1651.4 | 1584.6 | 1486.8 | 1415.8 | 1242.6 | 1108.2 | 998.4  | 929.5  | 890.7  | 876.9  |
| 1811.2 | 32.5° | 1765.1 | 1692.3 | 1591.5 | 1485.1 | 1235.3 | 1045.4 | 898.5  | 822.2  | 784.8  | 768.4  |
| 1931.3 | 35°   | 1870.6 | 1793.1 | 1696.6 | 1561.4 | 1215.9 | 953.2  | 788.6  | 730.5  | 688.7  | 662.4  |
| 2053.7 | 37.5° | 1978.7 | 1886.5 | 1796.1 | 1630.3 | 1181.0 | 845.5  | 704.2  | 654.7  | 605.6  | 570.3  |
| 2183.7 | 40°   | 2096.3 | 1986.0 | 1902.5 | 1671.2 | 1123.7 | 743.0  | 638.8  | 593.5  | 541.4  | 503.9  |
| 2333.6 | 42.5° | 2233.7 | 2105.3 | 2020.9 | 1692.3 | 1045.4 | 670.2  | 596.1  | 551.7  | 502.6  | 472.1  |
| 2494.3 | 45°   | 2377.1 | 2236.7 | 2129.0 | 1691.9 | 957.9  | 636.2  | 582.3  | 538.4  | 484.1  | 452.3  |
| 2659.3 | 47.5° | 2527.5 | 2374.1 | 2222.5 | 1664.3 | 882.1  | 640.9  | 574.6  | 509.5  | 449.7  | 418.7  |
| 2825.9 | 50°   | 2678.2 | 2524.4 | 2313.0 | 1612.6 | 849.8  | 630.6  | 545.7  | 469.1  | 398.4  | 370.4  |
| 2982.3 | 52.5° | 2827.7 | 2684.2 | 2390.9 | 1539.0 | 817.1  | 592.2  | 508.7  | 416.5  | 377.3  | 357.9  |
| 3143.8 | 55°   | 2978.0 | 2842.3 | 2475.8 | 1431.7 | 735.2  | 547.4  | 446.7  | 396.7  | 360.5  | 342.9  |
| 3301.9 | 57.5° | 3128.7 | 3024.9 | 2556.3 | 1324.5 | 632.3  | 492.3  | 412.6  | 372.6  | 343.7  | 328.6  |
| 3434.1 | 60°   | 3285.5 | 3233.8 | 2639.4 | 1225.8 | 530.6  | 421.7  | 387.6  | 353.2  | 323.9  | 307.1  |
| 3561.2 | 62.5° | 3447.0 | 3463.8 | 2704.5 | 1098.8 | 437.2  | 378.6  | 365.2  | 329.9  | 301.5  | 285.6  |
| 3666.3 | 65°   | 3609.8 | 3685.7 | 2747.1 | 922.6  | 354.5  | 337.7  | 341.1  | 304.5  | 275.7  | 261.9  |
| 3743.4 | 67.5° | 3732.6 | 3845.4 | 2735.1 | 698.2  | 290.7  | 298.9  | 311.0  | 277.8  | 250.7  | 239.9  |
| 3730.9 | 70°   | 3746.4 | 3826.5 | 2616.2 | 478.1  | 243.4  | 261.0  | 277.4  | 251.5  | 223.5  | 215.8  |
| 3555.1 | 72.5° | 3562.9 | 3568.1 | 2285.0 | 312.3  | 205.9  | 229.1  | 242.1  | 224.8  | 197.7  | 189.9  |
| 3110.2 | 75°   | 3081.8 | 2950.8 | 1677.6 | 205.9  | 172.3  | 196.8  | 208.9  | 196.8  | 170.6  | 172.3  |
| 2327.2 | 77.5° | 2334.9 | 2089.8 | 1018.6 | 146.4  | 143.9  | 165.4  | 181.8  | 173.1  | 150.8  | 169.3  |
| 1170.3 | 80°   | 1203.0 | 1130.6 | 454.4  | 109.4  | 113.7  | 132.2  | 149.5  | 138.3  | 119.3  | 113.7  |
| 261.4  | 82.5° | 275.7  | 320.5  | 179.2  | 78.4   | 82.3   | 95.2   | 114.1  | 103.8  | 85.7   | 72.4   |
| 109.0  | 85°   | 96.5   | 105.5  | 79.3   | 49.1   | 48.2   | 59.4   | 77.5   | 69.3   | 58.1   | 46.5   |
| 46.1   | 87.5° | 30.6   | 40.1   | 29.7   | 19.8   | 20.7   | 26.7   | 35.7   | 32.7   | 27.1   | 17.7   |
| 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°   |
|--------|
| 914.8  |
| 939.8  |
| 979.5  |
| 1024.7 |
| 1066.0 |
| 1088.9 |
| 1112.5 |
| 1130.2 |
| 1133.2 |
| 1119.9 |
| 1069.9 |
| 989.4  |
| 885.1  |
| 776.6  |
| 671.1  |
| 579.7  |
| 511.3  |
| 478.1  |
| 457.4  |
| 423.0  |
| 372.1  |
| 357.9  |
| 341.1  |
| 326.1  |
| 305.8  |
| 285.1  |
| 261.4  |
| 240.3  |
| 216.2  |
| 189.5  |
| 166.3  |
| 149.0  |
| 103.8  |
| 71.5   |
| 49.1   |
| 18.5   |
| 0.0    |