

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: P938909

Luminaire Tested: **GLAN-SB1B-730-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5567 lumens  
Efficiency: N/A  
Efficacy: 139.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
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

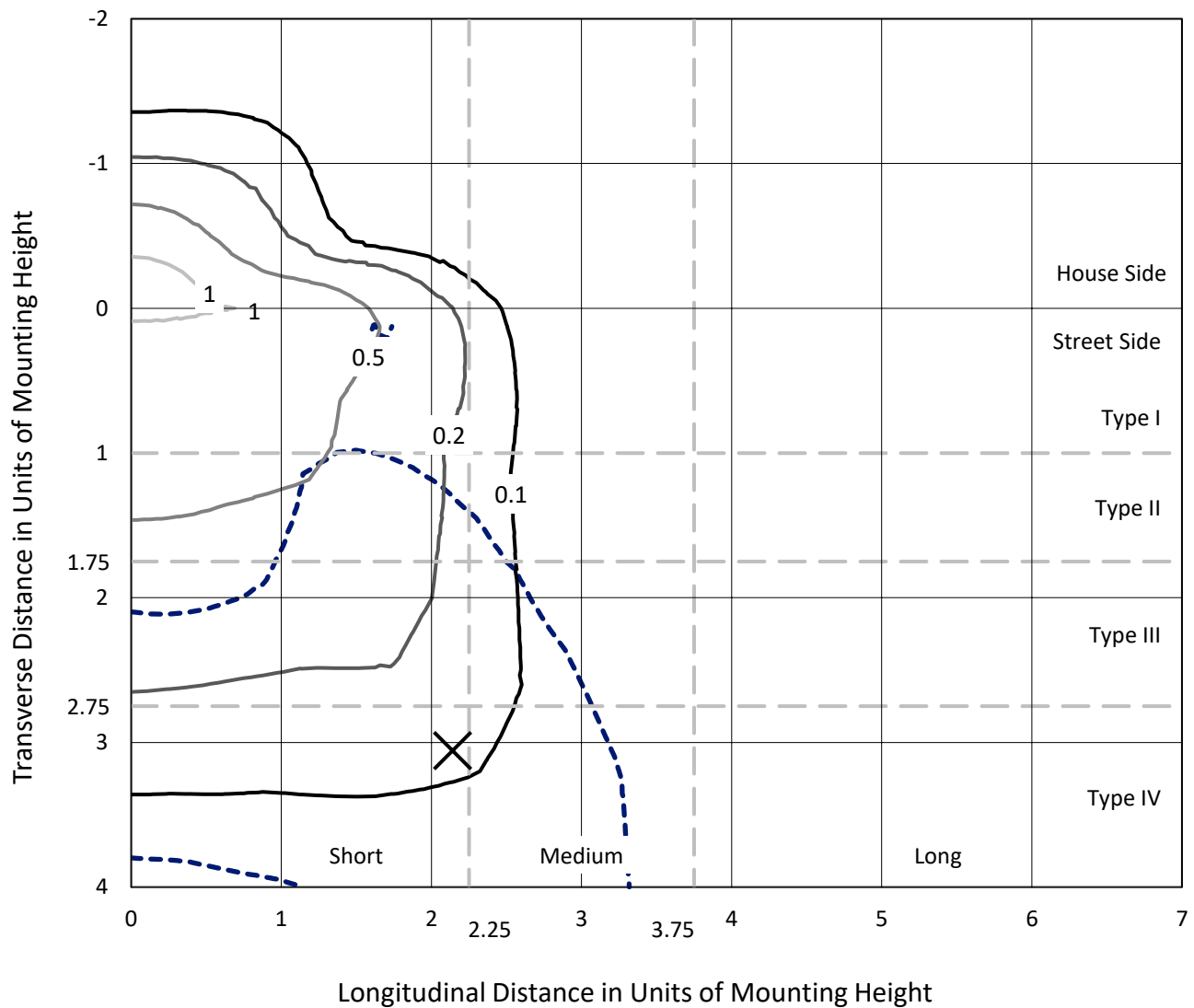


REPORT NUMBER: P938909

CATALOG NUMBER: GLAN-SB1B-730-U-T4FT

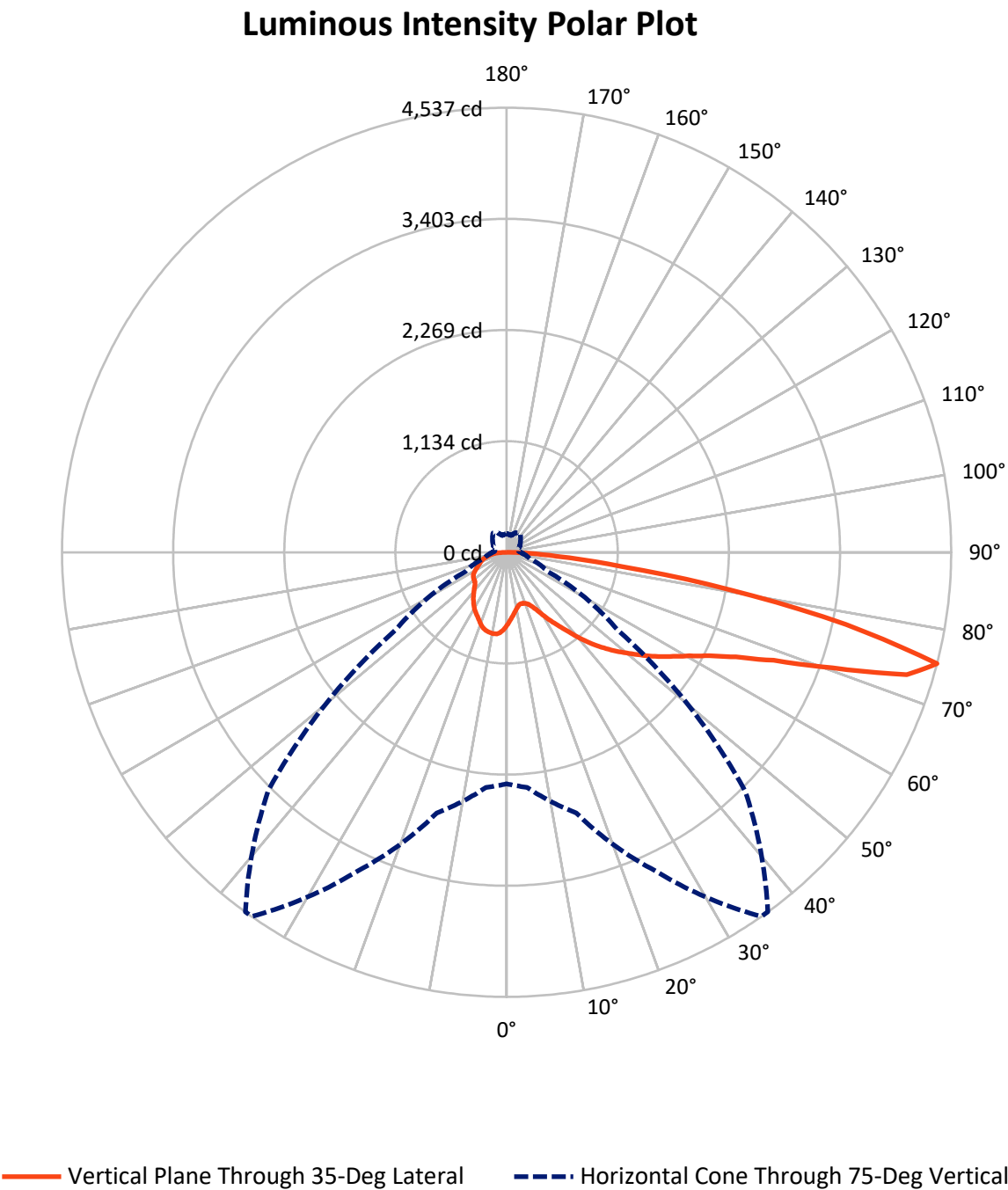
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
Type IV - Short - N/A

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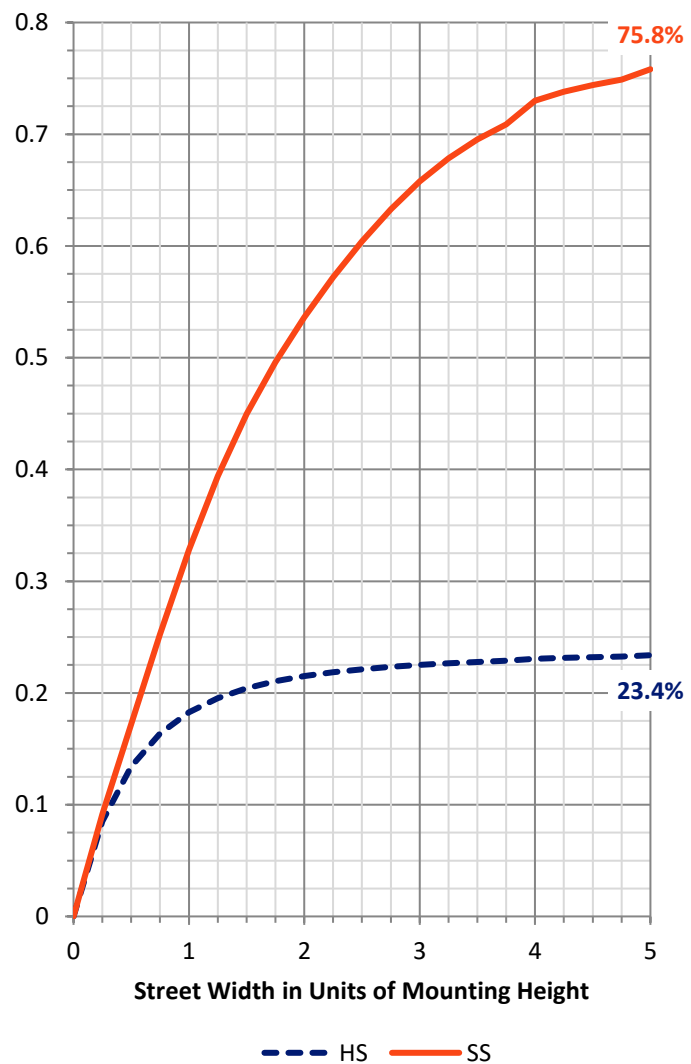
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1324.8   | 0.0    | 1324.8 |
|                    | % Fixture | 23.8     | 0.0    | 23.8   |
| <b>Street Side</b> | Lumens    | 4242.2   | 0.0    | 4242.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2   |
| <b>Total</b>       | Lumens    | 5567.0   | 0.0    | 5567.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.2   | 1.3       |
| 10°-20°   | 202.6  | 3.6       |
| 20°-30°   | 340.2  | 6.1       |
| 30°-40°   | 528.7  | 9.5       |
| 40°-50°   | 784.8  | 14.1      |
| 50°-60°   | 1083.4 | 19.5      |
| 60°-70°   | 1314.5 | 23.6      |
| 70°-80°   | 1086.3 | 19.5      |
| 80°-90°   | 156.2  | 2.8       |
| 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°    | 5567.0 | 100.0     |
| 0°-180°   | 5567.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P938909

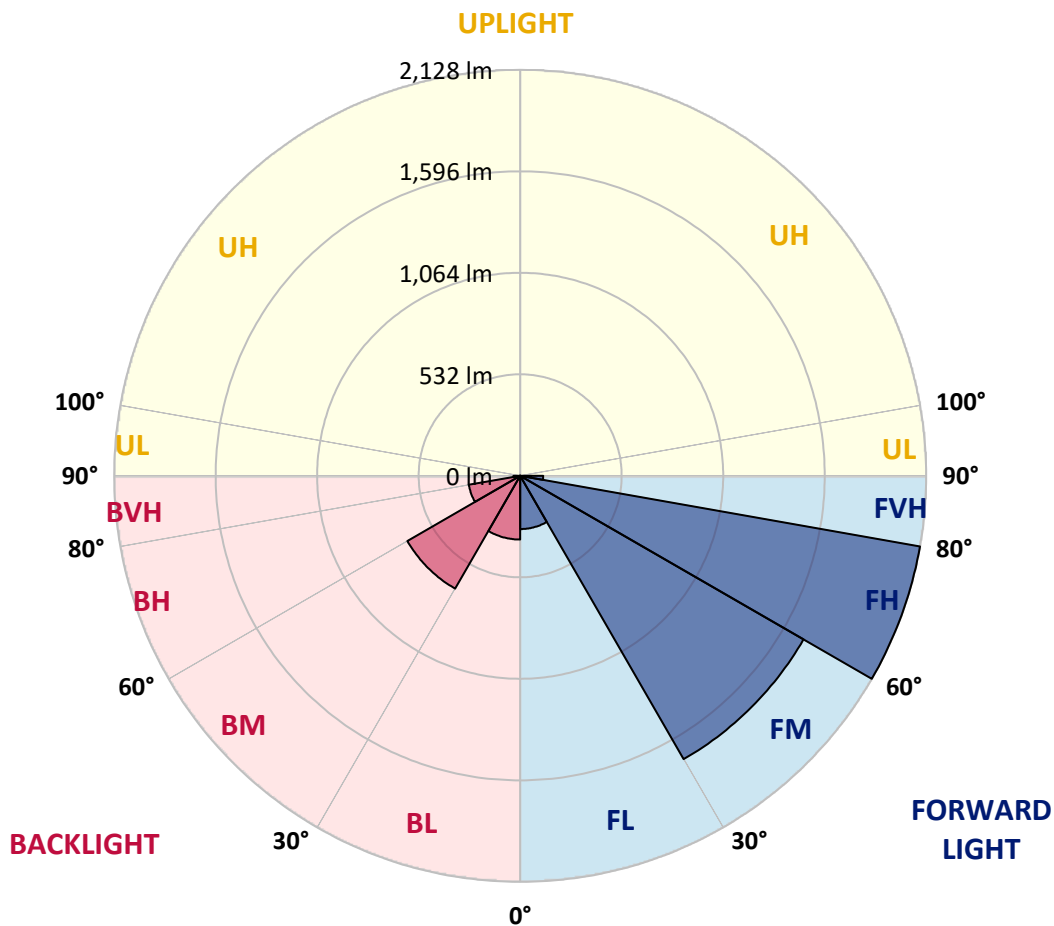
CATALOG NUMBER: GLAN-SB1B-730-U-T4FT

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 279.2  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 1714.3 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 2127.6 | 38.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 121.1  | 2.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 333.9  | 6.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 682.6  | 12.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 273.1  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 35.2   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



REPORT NUMBER: P938909

CATALOG NUMBER: GLAN-SB1B-730-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 36°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  | 741.8  |
| 2.5°  | 684.1  | 688.3  | 690.1  | 689.2  | 693.7  | 693.1  | 699.4  | 707.2  | 718.1  | 728.6  |
| 5°    | 631.4  | 635.9  | 639.8  | 643.4  | 652.2  | 654.9  | 664.8  | 679.8  | 699.7  | 719.9  |
| 7.5°  | 582.3  | 586.2  | 592.3  | 598.9  | 613.6  | 616.3  | 632.9  | 656.4  | 684.1  | 713.6  |
| 10°   | 542.3  | 546.2  | 552.5  | 560.1  | 578.4  | 581.7  | 602.8  | 634.1  | 670.2  | 707.5  |
| 12.5° | 525.2  | 526.4  | 530.0  | 537.5  | 553.4  | 555.6  | 578.7  | 614.5  | 656.7  | 703.0  |
| 15°   | 524.3  | 526.7  | 527.0  | 530.9  | 544.1  | 545.0  | 566.4  | 601.9  | 648.2  | 702.1  |
| 17.5° | 533.3  | 535.1  | 532.4  | 534.8  | 545.9  | 547.4  | 564.3  | 595.9  | 645.5  | 706.0  |
| 20°   | 557.4  | 558.9  | 550.7  | 547.4  | 555.6  | 556.8  | 573.3  | 599.8  | 648.2  | 714.2  |
| 22.5° | 608.5  | 609.4  | 589.6  | 576.0  | 576.6  | 577.2  | 591.7  | 615.7  | 658.8  | 728.9  |
| 25°   | 688.3  | 687.7  | 656.1  | 629.9  | 614.8  | 611.5  | 621.2  | 641.6  | 676.5  | 748.5  |
| 27.5° | 781.6  | 777.1  | 745.5  | 706.3  | 673.5  | 668.7  | 666.6  | 675.3  | 701.8  | 774.3  |
| 30°   | 886.9  | 882.7  | 848.7  | 797.5  | 752.1  | 744.2  | 724.4  | 719.9  | 739.4  | 809.6  |
| 32.5° | 1002.5 | 999.8  | 959.1  | 897.1  | 836.3  | 827.3  | 793.9  | 781.9  | 797.2  | 862.8  |
| 35°   | 1099.4 | 1097.0 | 1063.3 | 999.5  | 925.1  | 914.0  | 880.0  | 866.4  | 874.3  | 931.1  |
| 37.5° | 1186.9 | 1185.7 | 1156.8 | 1106.6 | 1029.8 | 1016.3 | 978.1  | 973.6  | 972.1  | 1021.1 |
| 40°   | 1268.2 | 1265.2 | 1235.1 | 1208.6 | 1151.7 | 1139.4 | 1105.7 | 1101.8 | 1090.3 | 1131.9 |
| 42.5° | 1358.2 | 1350.4 | 1306.7 | 1294.4 | 1279.0 | 1268.8 | 1248.6 | 1249.2 | 1224.0 | 1256.8 |
| 45°   | 1431.6 | 1427.1 | 1382.3 | 1375.0 | 1391.6 | 1387.4 | 1404.8 | 1409.3 | 1360.3 | 1387.7 |
| 47.5° | 1510.5 | 1506.3 | 1468.3 | 1463.2 | 1508.1 | 1509.3 | 1571.0 | 1572.5 | 1493.3 | 1523.7 |
| 50°   | 1607.7 | 1601.7 | 1564.0 | 1570.4 | 1620.6 | 1625.1 | 1738.0 | 1727.8 | 1615.8 | 1661.8 |
| 52.5° | 1671.8 | 1675.4 | 1667.3 | 1677.5 | 1746.1 | 1750.3 | 1902.3 | 1876.1 | 1737.1 | 1798.2 |
| 55°   | 1719.0 | 1726.2 | 1751.5 | 1775.0 | 1878.5 | 1882.7 | 2057.3 | 2017.3 | 1837.6 | 1924.6 |
| 57.5° | 1779.8 | 1769.6 | 1816.8 | 1862.6 | 2004.3 | 2015.5 | 2208.1 | 2153.3 | 1926.7 | 2033.5 |
| 60°   | 1867.1 | 1859.9 | 1896.6 | 1964.3 | 2145.2 | 2162.9 | 2367.6 | 2275.8 | 1992.0 | 2119.9 |
| 62.5° | 2044.0 | 2026.0 | 2031.7 | 2091.6 | 2322.7 | 2346.2 | 2547.5 | 2382.6 | 2024.5 | 2153.6 |
| 65°   | 2308.6 | 2277.6 | 2248.7 | 2290.2 | 2572.8 | 2596.0 | 2750.7 | 2466.6 | 2012.4 | 2088.3 |
| 67.5° | 2641.7 | 2611.0 | 2575.5 | 2614.6 | 2941.2 | 2959.5 | 3001.4 | 2513.8 | 1917.6 | 1836.7 |
| 70°   | 2916.5 | 2905.1 | 2947.5 | 3108.5 | 3529.5 | 3530.1 | 3322.8 | 2474.7 | 1657.9 | 1302.2 |
| 72.5° | 2880.1 | 2873.2 | 3096.8 | 3594.5 | 4271.1 | 4255.1 | 3627.0 | 2178.6 | 1116.8 | 587.5  |
| 75°   | 2362.8 | 2407.6 | 2754.0 | 3585.8 | 4537.4 | 4535.3 | 3440.8 | 1385.0 | 462.0  | 243.5  |
| 77.5° | 1267.0 | 1338.0 | 1787.9 | 2647.5 | 3542.2 | 3595.4 | 2419.0 | 484.5  | 198.3  | 155.9  |
| 80°   | 413.2  | 475.2  | 712.6  | 1348.0 | 2301.7 | 2291.7 | 1036.8 | 190.2  | 135.7  | 110.4  |
| 82.5° | 175.5  | 182.7  | 318.4  | 636.5  | 1181.2 | 1162.9 | 330.1  | 109.2  | 95.4   | 75.5   |
| 85°   | 68.6   | 76.7   | 140.5  | 294.3  | 511.6  | 500.5  | 119.2  | 54.2   | 61.1   | 49.4   |
| 87.5° | 22.6   | 27.4   | 50.3   | 100.8  | 159.2  | 153.5  | 29.2   | 18.7   | 26.5   | 22.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P938909

CATALOG NUMBER: GLAN-SB1B-730-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 741.8  | 0°    | 741.8  | 741.8  | 741.8 | 741.8 | 741.8 | 741.8 | 741.8 | 741.8 | 741.8 | 741.8 |
| 743.9  | 2.5°  | 748.2  | 753.0  | 758.7 | 767.1 | 774.3 | 780.4 | 786.7 | 790.6 | 792.1 | 796.6 |
| 745.2  | 5°    | 753.6  | 764.1  | 778.3 | 792.1 | 805.6 | 813.8 | 821.0 | 824.6 | 827.9 | 830.3 |
| 748.5  | 7.5°  | 762.6  | 776.1  | 798.4 | 816.5 | 827.9 | 834.5 | 839.3 | 838.1 | 839.3 | 839.9 |
| 752.1  | 10°   | 770.4  | 789.4  | 815.9 | 833.0 | 841.8 | 842.1 | 840.9 | 836.6 | 834.5 | 834.8 |
| 757.5  | 12.5° | 779.8  | 800.8  | 829.4 | 843.9 | 846.3 | 839.6 | 834.5 | 827.3 | 824.6 | 823.4 |
| 765.6  | 15°   | 792.4  | 816.5  | 844.2 | 849.6 | 843.6 | 835.1 | 826.4 | 814.7 | 808.7 | 803.8 |
| 779.5  | 17.5° | 807.7  | 834.2  | 855.6 | 851.7 | 838.7 | 824.9 | 810.8 | 793.0 | 780.7 | 775.5 |
| 798.4  | 20°   | 829.1  | 852.9  | 864.3 | 847.2 | 827.6 | 806.5 | 782.5 | 760.8 | 749.4 | 744.2 |
| 822.5  | 22.5° | 855.0  | 877.9  | 872.8 | 839.3 | 811.7 | 778.0 | 747.9 | 731.9 | 726.2 | 722.6 |
| 853.5  | 25°   | 886.0  | 905.6  | 878.8 | 827.9 | 785.5 | 740.0 | 716.9 | 711.7 | 709.0 | 706.3 |
| 891.4  | 27.5° | 926.3  | 936.9  | 883.3 | 811.1 | 744.5 | 699.7 | 691.3 | 692.2 | 691.3 | 686.8 |
| 944.1  | 30°   | 979.6  | 977.5  | 887.5 | 783.7 | 697.6 | 663.3 | 663.9 | 667.8 | 668.4 | 665.4 |
| 1017.5 | 32.5° | 1049.7 | 1028.3 | 889.6 | 748.2 | 652.8 | 631.4 | 632.0 | 636.2 | 639.2 | 634.1 |
| 1113.5 | 35°   | 1134.6 | 1087.6 | 886.3 | 703.6 | 618.2 | 601.0 | 596.5 | 597.7 | 598.6 | 593.8 |
| 1230.0 | 37.5° | 1233.6 | 1154.1 | 871.5 | 654.3 | 589.6 | 571.2 | 561.6 | 553.4 | 548.6 | 544.1 |
| 1361.8 | 40°   | 1342.2 | 1226.7 | 844.5 | 606.1 | 557.7 | 539.6 | 525.2 | 509.8 | 493.6 | 487.5 |
| 1501.4 | 42.5° | 1456.0 | 1301.3 | 811.7 | 560.1 | 520.9 | 506.2 | 490.8 | 468.6 | 444.2 | 431.9 |
| 1646.5 | 45°   | 1574.0 | 1377.7 | 779.5 | 514.6 | 483.3 | 477.0 | 459.2 | 432.5 | 406.0 | 390.3 |
| 1791.9 | 47.5° | 1689.5 | 1450.0 | 732.2 | 468.9 | 448.1 | 455.0 | 441.2 | 416.5 | 387.0 | 362.3 |
| 1936.0 | 50°   | 1800.0 | 1517.7 | 654.9 | 422.5 | 419.5 | 448.4 | 435.2 | 399.7 | 366.0 | 334.4 |
| 2077.5 | 52.5° | 1909.5 | 1572.5 | 555.9 | 380.4 | 404.2 | 446.6 | 427.3 | 388.2 | 347.0 | 313.9 |
| 2210.5 | 55°   | 2002.5 | 1600.8 | 460.5 | 344.3 | 381.9 | 431.3 | 418.0 | 374.7 | 320.2 | 285.0 |
| 2301.7 | 57.5° | 2055.5 | 1577.9 | 381.0 | 308.8 | 351.2 | 406.0 | 402.1 | 345.8 | 288.3 | 261.2 |
| 2319.4 | 60°   | 2032.6 | 1485.2 | 316.0 | 277.8 | 322.0 | 378.6 | 374.4 | 317.2 | 263.9 | 238.4 |
| 2224.3 | 62.5° | 1906.5 | 1308.5 | 264.5 | 250.7 | 295.5 | 350.6 | 346.7 | 295.2 | 245.3 | 220.6 |
| 1971.8 | 65°   | 1652.5 | 1064.5 | 224.5 | 228.1 | 268.7 | 316.9 | 322.6 | 276.9 | 230.5 | 206.5 |
| 1525.5 | 67.5° | 1260.4 | 771.0  | 193.2 | 208.6 | 242.6 | 283.8 | 300.3 | 263.6 | 218.2 | 195.3 |
| 882.7  | 70°   | 718.4  | 437.9  | 166.7 | 189.6 | 219.4 | 253.1 | 283.2 | 253.1 | 204.9 | 186.0 |
| 330.7  | 72.5° | 272.4  | 201.0  | 144.2 | 170.6 | 197.1 | 227.2 | 264.2 | 236.5 | 189.6 | 175.5 |
| 170.9  | 75°   | 145.4  | 122.5  | 121.3 | 148.4 | 171.5 | 201.9 | 240.5 | 220.3 | 178.2 | 185.4 |
| 118.3  | 77.5° | 99.0   | 86.7   | 101.4 | 127.0 | 143.6 | 173.9 | 215.2 | 195.6 | 154.4 | 153.8 |
| 81.9   | 80°   | 68.6   | 61.4   | 82.5  | 102.3 | 111.1 | 146.3 | 187.8 | 167.9 | 125.8 | 117.4 |
| 50.6   | 82.5° | 41.2   | 40.0   | 61.7  | 76.4  | 78.5  | 112.9 | 155.6 | 140.8 | 102.9 | 89.7  |
| 30.1   | 85°   | 22.6   | 23.8   | 39.4  | 44.8  | 45.7  | 78.8  | 121.9 | 108.9 | 79.1  | 66.5  |
| 10.8   | 87.5° | 6.3    | 8.1    | 14.4  | 17.8  | 22.0  | 40.9  | 72.5  | 64.7  | 39.7  | 27.7  |
| 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°  |
|-------|
| 741.8 |
| 796.3 |
| 830.9 |
| 840.9 |
| 835.4 |
| 822.8 |
| 805.3 |
| 775.8 |
| 743.6 |
| 723.2 |
| 706.3 |
| 687.7 |
| 666.9 |
| 636.5 |
| 597.1 |
| 547.1 |
| 490.2 |
| 433.4 |
| 389.1 |
| 359.6 |
| 331.6 |
| 310.3 |
| 282.0 |
| 257.6 |
| 234.7 |
| 216.7 |
| 202.5 |
| 191.7 |
| 183.6 |
| 173.0 |
| 191.4 |
| 141.7 |
| 112.3 |
| 90.3  |
| 67.1  |
| 27.7  |
| 0.0   |

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