

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: P939394

Luminaire Tested: **GLAN-SB2A-722-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

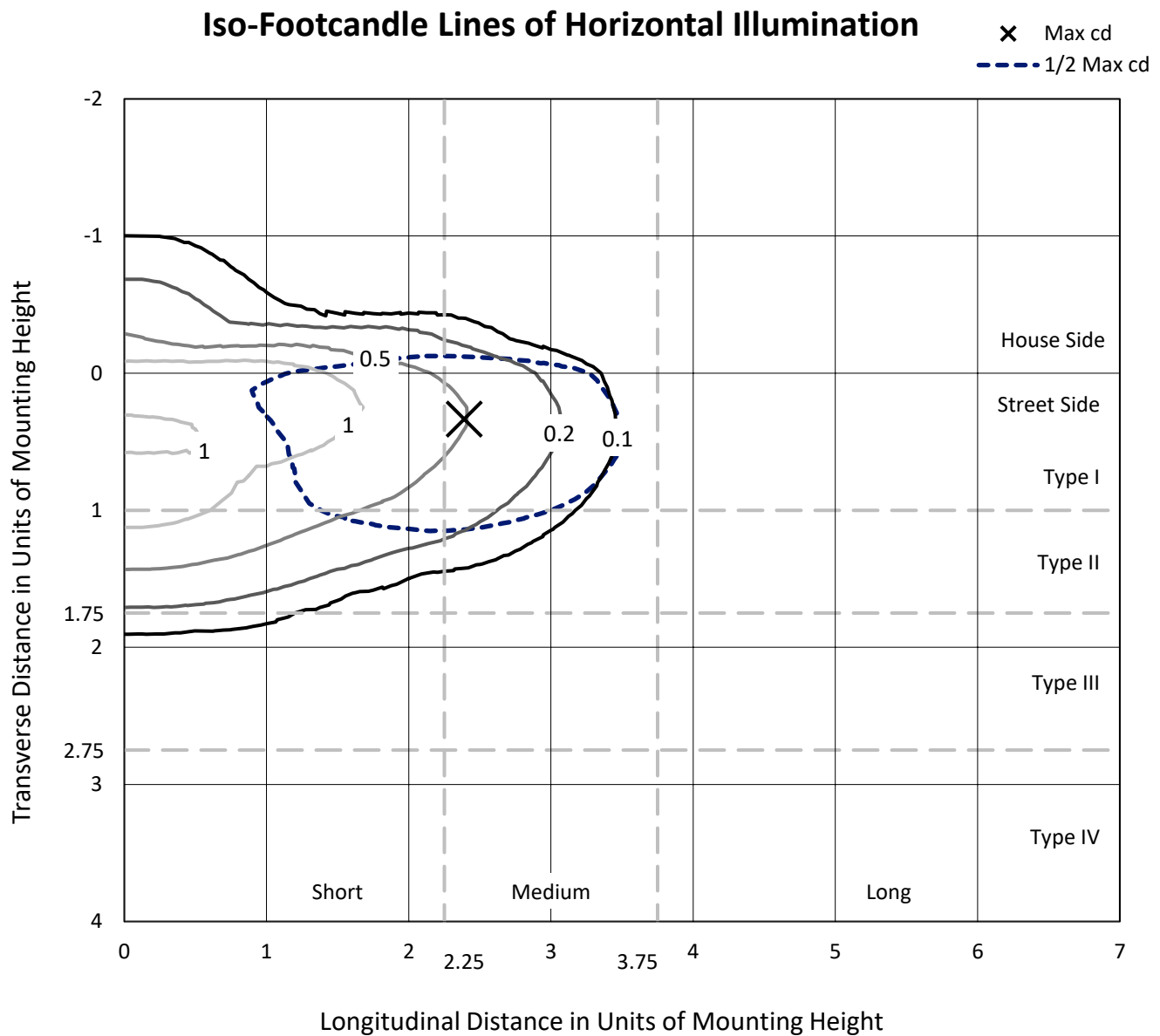
Test Method: LM-79-08  
Report Number: P939394  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5411 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 57.3  
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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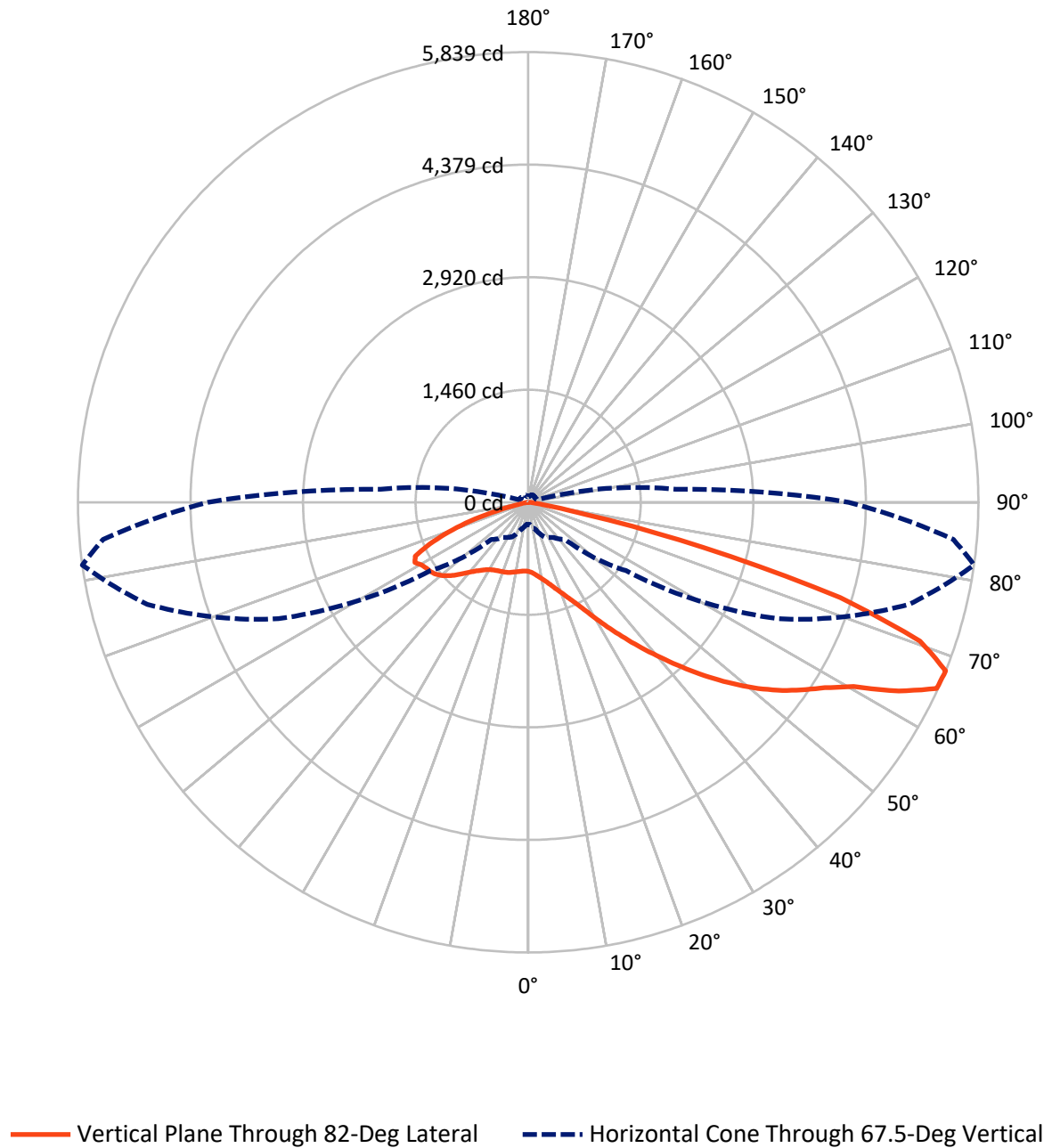


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 980.2    | 0.0    | 980.2  |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 4430.9   | 0.0    | 4430.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 5411.0   | 0.0    | 5411.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 79.9   | 1.5       |
| 10°-20°   | 207.5  | 3.8       |
| 20°-30°   | 332.4  | 6.1       |
| 30°-40°   | 587.8  | 10.9      |
| 40°-50°   | 1029.9 | 19.0      |
| 50°-60°   | 1373.6 | 25.4      |
| 60°-70°   | 1278.7 | 23.6      |
| 70°-80°   | 490.8  | 9.1       |
| 80°-90°   | 30.5   | 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°    | 5411.0 | 100.0     |
| 0°-180°   | 5411.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P939394

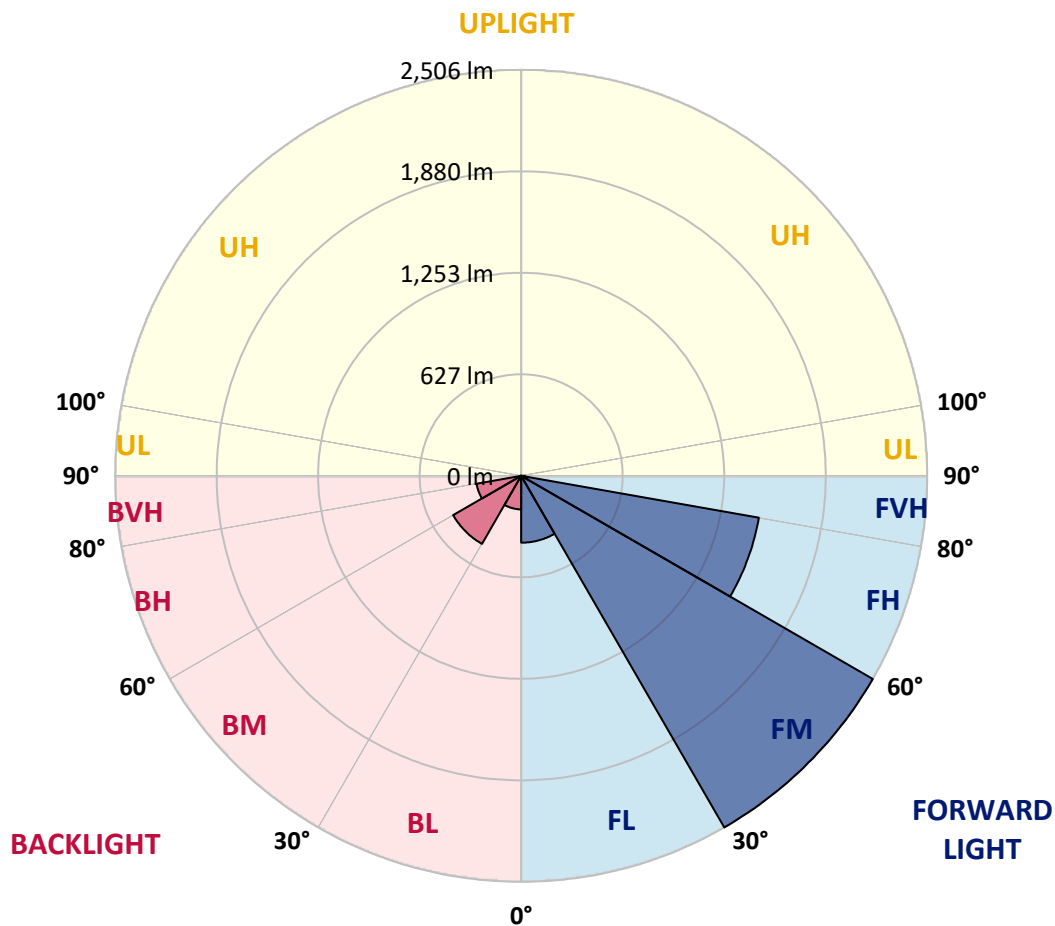
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 412.8  | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 2506.2 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 1489.7 | 27.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 22.2   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 207.0  | 3.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 485.1  | 9.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 279.8  | 5.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.3    | 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°    | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  | 896.4  |
| 2.5°  | 947.5  | 952.9  | 949.8  | 948.2  | 945.5  | 941.6  | 938.5  | 928.8  | 918.6  | 912.0  |
| 5°    | 966.5  | 972.0  | 971.6  | 973.2  | 975.1  | 976.3  | 975.5  | 964.6  | 950.2  | 938.9  |
| 7.5°  | 950.2  | 956.4  | 961.5  | 969.3  | 982.9  | 997.3  | 1004.3 | 1002.0 | 987.2  | 971.6  |
| 10°   | 903.8  | 910.4  | 922.5  | 940.8  | 969.7  | 1000.8 | 1026.9 | 1039.0 | 1029.7 | 1012.5 |
| 12.5° | 818.9  | 825.5  | 849.3  | 889.0  | 937.3  | 991.5  | 1041.3 | 1073.7 | 1076.0 | 1058.9 |
| 15°   | 723.4  | 730.1  | 755.4  | 805.3  | 878.9  | 965.8  | 1049.1 | 1110.3 | 1130.9 | 1116.1 |
| 17.5° | 664.2  | 670.1  | 689.2  | 729.3  | 806.0  | 914.3  | 1046.4 | 1149.3 | 1196.4 | 1184.7 |
| 20°   | 646.3  | 651.4  | 660.3  | 688.4  | 752.3  | 861.0  | 1028.5 | 1185.9 | 1266.9 | 1260.3 |
| 22.5° | 665.4  | 670.1  | 672.8  | 685.3  | 725.4  | 825.9  | 1005.9 | 1223.3 | 1348.7 | 1349.5 |
| 25°   | 709.4  | 714.1  | 711.0  | 718.8  | 736.3  | 815.0  | 997.3  | 1267.3 | 1451.6 | 1460.1 |
| 27.5° | 781.9  | 782.3  | 774.9  | 774.5  | 777.2  | 831.4  | 1006.3 | 1314.4 | 1581.3 | 1597.3 |
| 30°   | 927.2  | 921.4  | 892.9  | 862.1  | 848.1  | 880.4  | 1031.2 | 1370.1 | 1734.4 | 1762.8 |
| 32.5° | 1151.2 | 1142.6 | 1090.4 | 1016.8 | 942.8  | 959.5  | 1076.0 | 1433.6 | 1901.1 | 1952.6 |
| 35°   | 1394.3 | 1392.0 | 1337.4 | 1228.0 | 1098.6 | 1072.1 | 1148.9 | 1517.0 | 2083.1 | 2164.9 |
| 37.5° | 1620.3 | 1619.1 | 1587.9 | 1459.0 | 1301.6 | 1229.1 | 1265.7 | 1626.1 | 2277.9 | 2396.3 |
| 40°   | 1826.7 | 1830.2 | 1799.1 | 1683.8 | 1525.2 | 1430.5 | 1424.7 | 1760.9 | 2494.5 | 2648.4 |
| 42.5° | 2005.2 | 2009.1 | 1977.5 | 1892.2 | 1746.1 | 1653.4 | 1619.9 | 1926.1 | 2706.0 | 2919.1 |
| 45°   | 2126.3 | 2150.5 | 2145.8 | 2077.6 | 1972.8 | 1876.6 | 1854.4 | 2133.3 | 2947.2 | 3206.2 |
| 47.5° | 2160.6 | 2182.8 | 2217.9 | 2227.2 | 2163.3 | 2068.7 | 2095.2 | 2383.1 | 3191.0 | 3493.7 |
| 50°   | 2076.1 | 2096.7 | 2169.6 | 2266.6 | 2311.0 | 2281.8 | 2329.3 | 2650.7 | 3440.8 | 3780.5 |
| 52.5° | 1909.3 | 1930.4 | 2022.3 | 2175.8 | 2356.9 | 2448.9 | 2564.2 | 2914.4 | 3682.7 | 4052.0 |
| 55°   | 1668.2 | 1690.4 | 1808.4 | 1982.2 | 2269.3 | 2517.8 | 2760.2 | 3177.8 | 3904.4 | 4296.3 |
| 57.5° | 1340.1 | 1356.5 | 1479.2 | 1722.3 | 2048.8 | 2449.3 | 2904.7 | 3465.3 | 4113.2 | 4536.2 |
| 60°   | 873.4  | 887.8  | 1030.4 | 1301.6 | 1683.4 | 2220.2 | 2933.5 | 3785.9 | 4390.5 | 4848.3 |
| 62.5° | 580.9  | 590.6  | 675.1  | 874.2  | 1185.5 | 1780.4 | 2764.8 | 4041.9 | 4797.3 | 5391.4 |
| 65°   | 398.5  | 408.3  | 492.8  | 631.5  | 765.9  | 1177.7 | 2279.8 | 4008.0 | 5165.8 | 5822.6 |
| 67.5° | 284.4  | 292.6  | 364.3  | 495.2  | 554.4  | 684.1  | 1545.5 | 3574.8 | 5112.8 | 5839.0 |
| 70°   | 203.7  | 208.4  | 267.6  | 385.7  | 440.6  | 411.0  | 859.4  | 2734.1 | 4476.6 | 5391.8 |
| 72.5° | 142.6  | 144.1  | 185.8  | 293.7  | 354.9  | 300.0  | 409.1  | 1822.8 | 3385.8 | 4232.0 |
| 75°   | 96.6   | 98.6   | 125.1  | 215.4  | 284.8  | 229.1  | 216.6  | 977.5  | 1987.6 | 2342.5 |
| 77.5° | 59.2   | 60.0   | 80.6   | 147.3  | 213.1  | 174.5  | 139.5  | 414.1  | 769.0  | 755.0  |
| 80°   | 33.5   | 33.5   | 51.4   | 91.6   | 145.3  | 112.6  | 97.8   | 176.1  | 243.5  | 213.9  |
| 82.5° | 18.7   | 19.1   | 37.4   | 56.9   | 96.2   | 66.6   | 53.8   | 81.4   | 105.2  | 93.1   |
| 85°   | 7.8    | 8.6    | 23.0   | 26.9   | 46.0   | 33.1   | 21.8   | 34.3   | 39.0   | 34.7   |
| 87.5° | 0.8    | 1.2    | 7.0    | 5.1    | 5.5    | 6.6    | 3.1    | 6.6    | 5.5    | 5.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P939394

CATALOG NUMBER: GLAN-SB2A-722-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 896.4  | 0°    | 896.4  | 896.4  | 896.4 | 896.4 | 896.4 | 896.4 | 896.4 | 896.4 | 896.4 | 896.4 |
| 909.7  | 2.5°  | 902.3  | 896.4  | 881.6 | 864.5 | 841.9 | 831.0 | 816.2 | 806.0 | 797.5 | 798.2 |
| 932.3  | 5°    | 919.8  | 905.0  | 871.9 | 830.6 | 779.2 | 742.5 | 703.6 | 676.7 | 654.9 | 650.2 |
| 963.4  | 7.5°  | 943.9  | 920.6  | 862.5 | 788.1 | 701.2 | 635.4 | 576.6 | 538.8 | 511.9 | 503.3 |
| 1001.2 | 10°   | 975.1  | 941.2  | 850.4 | 734.7 | 609.7 | 525.9 | 462.8 | 433.2 | 414.9 | 408.7 |
| 1045.6 | 12.5° | 1011.3 | 965.0  | 834.5 | 669.7 | 515.4 | 434.8 | 394.6 | 379.8 | 374.0 | 372.0 |
| 1100.2 | 15°   | 1056.9 | 994.6  | 810.3 | 592.5 | 435.5 | 379.1 | 361.9 | 360.0 | 360.7 | 360.0 |
| 1165.6 | 17.5° | 1111.1 | 1026.9 | 771.0 | 513.1 | 381.8 | 350.6 | 344.4 | 345.9 | 347.9 | 347.5 |
| 1238.9 | 20°   | 1170.3 | 1058.9 | 720.7 | 442.6 | 345.2 | 330.4 | 326.9 | 328.4 | 330.0 | 329.2 |
| 1323.4 | 22.5° | 1237.7 | 1093.2 | 665.0 | 387.6 | 320.6 | 311.7 | 307.8 | 308.2 | 308.2 | 306.6 |
| 1430.5 | 25°   | 1318.3 | 1130.9 | 606.6 | 348.7 | 301.9 | 294.9 | 290.2 | 288.7 | 286.3 | 281.7 |
| 1560.7 | 27.5° | 1414.6 | 1171.1 | 550.5 | 321.4 | 287.1 | 280.5 | 275.0 | 271.1 | 265.3 | 257.5 |
| 1716.9 | 30°   | 1522.9 | 1219.8 | 502.9 | 304.3 | 275.4 | 268.8 | 262.6 | 256.7 | 248.2 | 238.4 |
| 1896.5 | 32.5° | 1650.3 | 1272.0 | 468.3 | 293.0 | 264.9 | 257.9 | 250.5 | 243.5 | 234.1 | 224.4 |
| 2098.3 | 35°   | 1802.2 | 1335.1 | 448.0 | 285.2 | 256.7 | 247.4 | 239.2 | 231.4 | 224.4 | 215.8 |
| 2317.6 | 37.5° | 1967.0 | 1402.1 | 441.8 | 281.3 | 251.3 | 236.9 | 227.5 | 222.1 | 221.3 | 216.2 |
| 2554.9 | 40°   | 2147.4 | 1481.6 | 446.5 | 278.9 | 245.4 | 226.7 | 216.6 | 215.4 | 217.4 | 208.4 |
| 2808.5 | 42.5° | 2338.2 | 1575.8 | 454.2 | 276.2 | 237.3 | 216.6 | 206.9 | 206.9 | 205.3 | 192.8 |
| 3076.5 | 45°   | 2544.7 | 1684.5 | 462.0 | 269.6 | 227.5 | 206.5 | 199.1 | 196.3 | 189.7 | 177.6 |
| 3346.1 | 47.5° | 2752.8 | 1795.2 | 467.9 | 257.5 | 215.8 | 197.9 | 191.3 | 185.0 | 175.3 | 164.4 |
| 3610.6 | 50°   | 2950.3 | 1894.5 | 461.7 | 239.6 | 202.6 | 189.7 | 182.7 | 174.1 | 163.6 | 156.2 |
| 3861.1 | 52.5° | 3126.8 | 1980.6 | 435.2 | 218.6 | 188.6 | 181.2 | 174.9 | 166.0 | 157.4 | 149.6 |
| 4087.1 | 55°   | 3280.2 | 2050.4 | 388.4 | 198.7 | 176.1 | 173.8 | 167.5 | 156.2 | 144.5 | 137.9 |
| 4311.1 | 57.5° | 3427.5 | 2103.3 | 330.0 | 182.3 | 164.8 | 165.6 | 156.2 | 146.1 | 135.2 | 128.2 |
| 4613.0 | 60°   | 3623.5 | 2174.2 | 270.8 | 167.1 | 152.7 | 155.1 | 144.9 | 137.5 | 123.9 | 114.9 |
| 5130.7 | 62.5° | 3936.7 | 2284.5 | 215.0 | 148.4 | 138.7 | 139.5 | 135.2 | 126.2 | 109.9 | 99.3  |
| 5514.5 | 65°   | 4185.2 | 2244.0 | 169.5 | 128.2 | 122.7 | 123.9 | 123.9 | 114.1 | 96.6  | 84.5  |
| 5535.1 | 67.5° | 4157.2 | 1921.4 | 135.2 | 108.3 | 107.5 | 108.3 | 111.0 | 102.8 | 85.7  | 76.0  |
| 5113.6 | 70°   | 3829.6 | 1528.3 | 108.3 | 90.0  | 93.5  | 91.6  | 99.3  | 93.9  | 77.1  | 67.4  |
| 3964.3 | 72.5° | 3124.8 | 1100.9 | 82.6  | 74.4  | 71.7  | 74.8  | 89.6  | 84.5  | 64.3  | 53.4  |
| 2099.8 | 75°   | 1826.0 | 587.5  | 61.6  | 58.8  | 51.8  | 62.3  | 79.5  | 72.1  | 49.1  | 39.3  |
| 643.6  | 77.5° | 594.5  | 204.9  | 45.2  | 43.2  | 38.6  | 50.3  | 67.8  | 60.8  | 40.1  | 31.2  |
| 188.6  | 80°   | 159.3  | 61.9   | 30.8  | 28.4  | 24.9  | 37.4  | 53.8  | 48.3  | 28.8  | 20.3  |
| 81.0   | 82.5° | 63.9   | 26.1   | 17.9  | 16.0  | 13.6  | 25.7  | 42.5  | 39.0  | 21.4  | 12.9  |
| 25.3   | 85°   | 20.6   | 8.6    | 6.6   | 5.1   | 6.2   | 16.0  | 25.3  | 26.5  | 15.2  | 6.6   |
| 3.9    | 87.5° | 2.7    | 1.2    | 1.2   | 1.6   | 1.2   | 2.7   | 7.8   | 7.4   | 4.3   | 0.8   |
| 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°  |
|-------|
| 896.4 |
| 790.5 |
| 639.7 |
| 494.8 |
| 404.0 |
| 370.9 |
| 359.6 |
| 346.7 |
| 328.8 |
| 305.8 |
| 280.9 |
| 256.7 |
| 237.6 |
| 224.8 |
| 215.0 |
| 215.8 |
| 208.8 |
| 192.8 |
| 177.3 |
| 164.0 |
| 155.1 |
| 148.8 |
| 137.1 |
| 127.4 |
| 113.8 |
| 98.6  |
| 83.4  |
| 74.4  |
| 66.2  |
| 52.2  |
| 38.2  |
| 30.0  |
| 19.9  |
| 12.9  |
| 5.1   |
| 0.0   |
| 0.0   |

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