

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: P938861

Luminaire Tested: **GLAN-SB1A-940-U-SL4-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-940-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

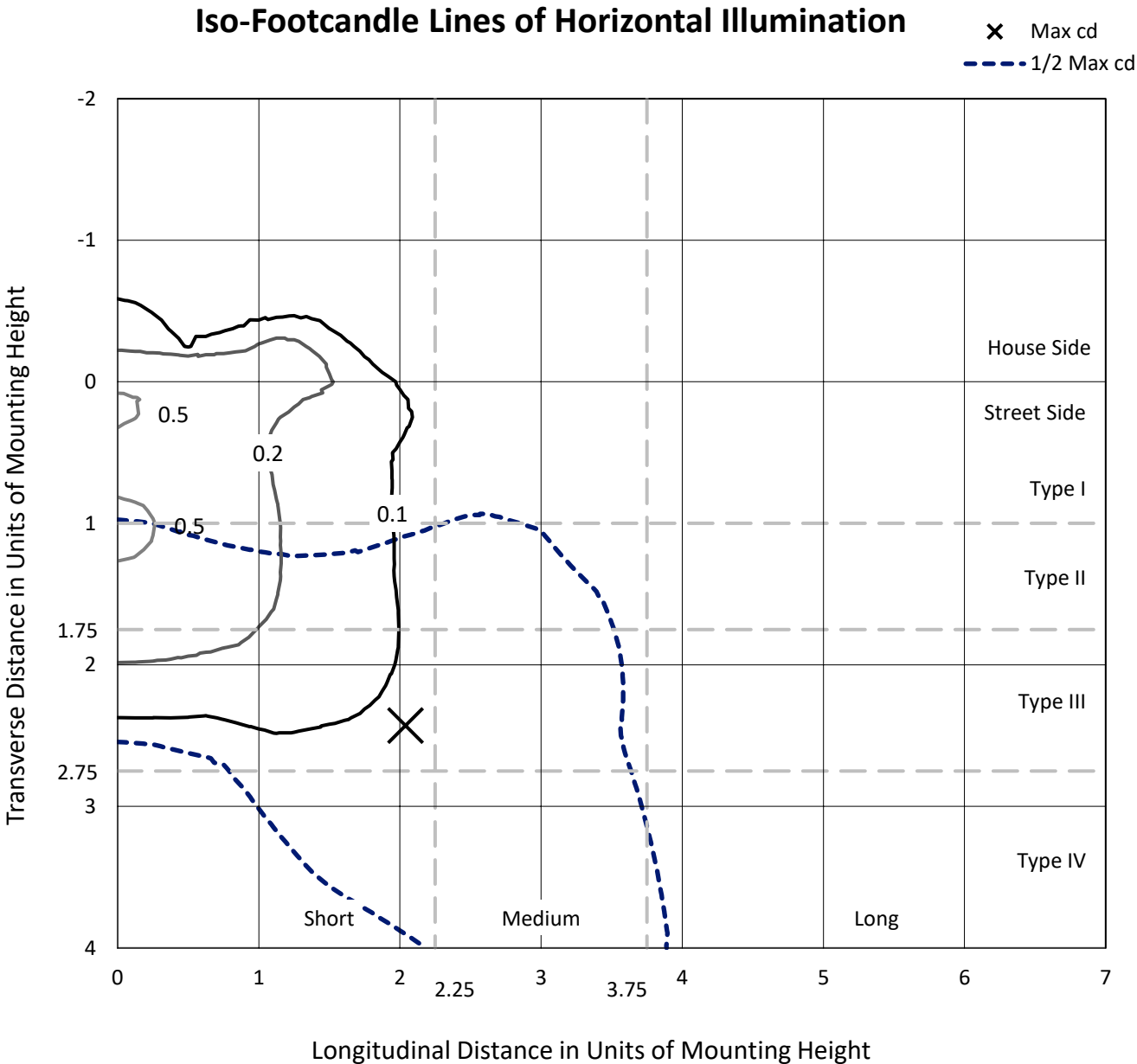
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2270 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9  
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

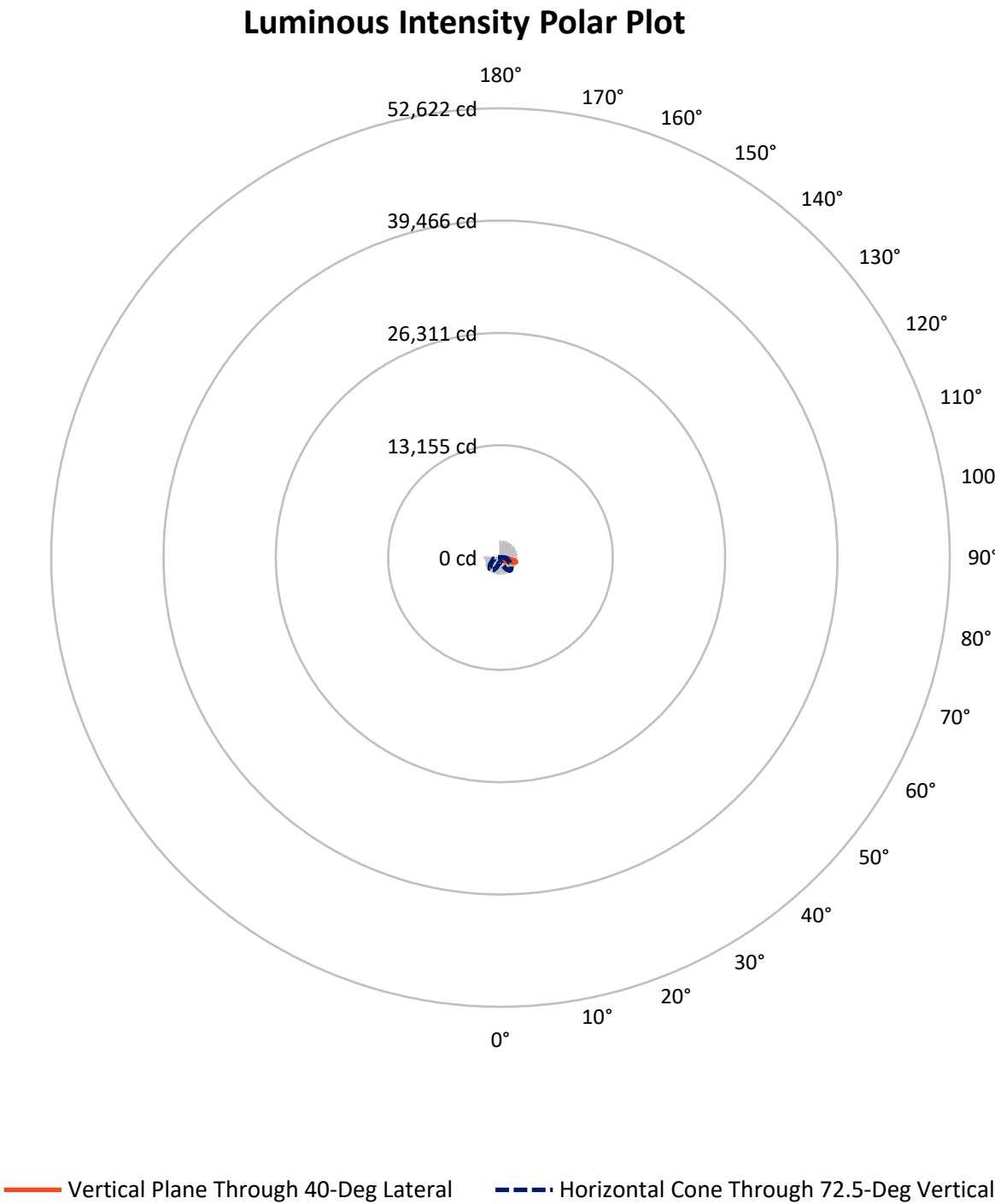


REPORT NUMBER: P938861  
CATALOG NUMBER: GLAN-SB1A-940-U-SL4-HSS



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
Type IV - Short - N/A

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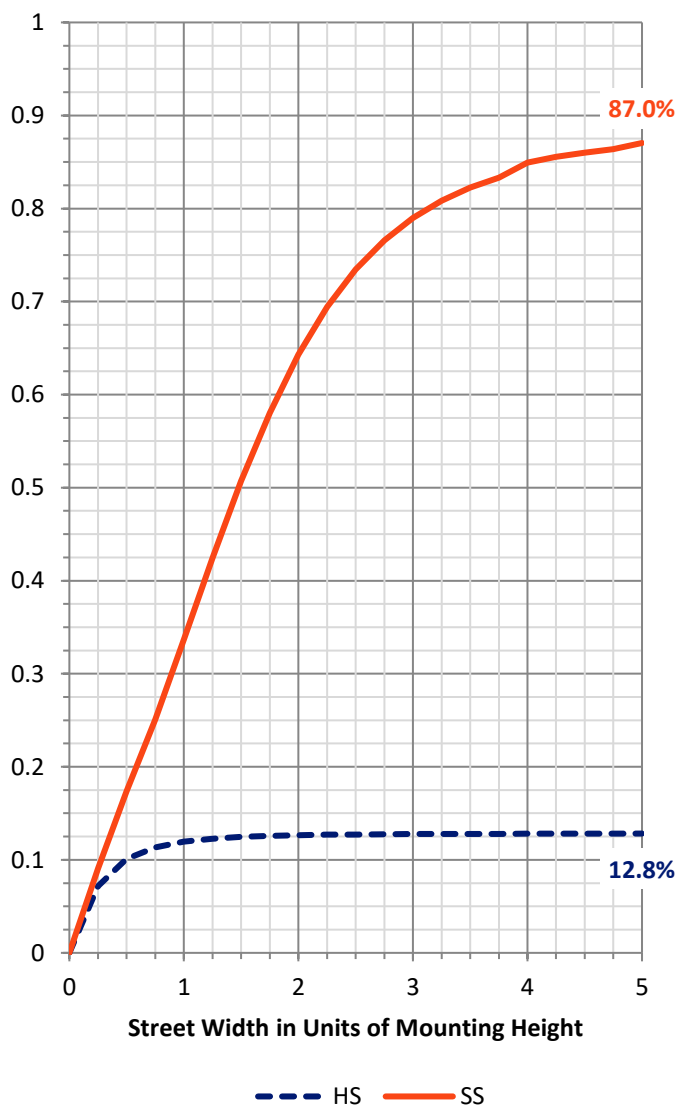
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 293.1    | 0.0    | 293.1  |
|                    | % Fixture | 12.9     | 0.0    | 12.9   |
| <b>Street Side</b> | Lumens    | 1976.9   | 0.0    | 1976.9 |
|                    | % Fixture | 87.1     | 0.0    | 87.1   |
| <b>Total</b>       | Lumens    | 2270.0   | 0.0    | 2270.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.4   | 1.2       |
| 10°-20°   | 74.5   | 3.3       |
| 20°-30°   | 120.6  | 5.3       |
| 30°-40°   | 178.1  | 7.8       |
| 40°-50°   | 299.7  | 13.2      |
| 50°-60°   | 465.4  | 20.5      |
| 60°-70°   | 582.3  | 25.7      |
| 70°-80°   | 476.7  | 21.0      |
| 80°-90°   | 45.2   | 2.0       |
| 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°    | 2270.0 | 100.0     |
| 0°-180°   | 2270.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P938861

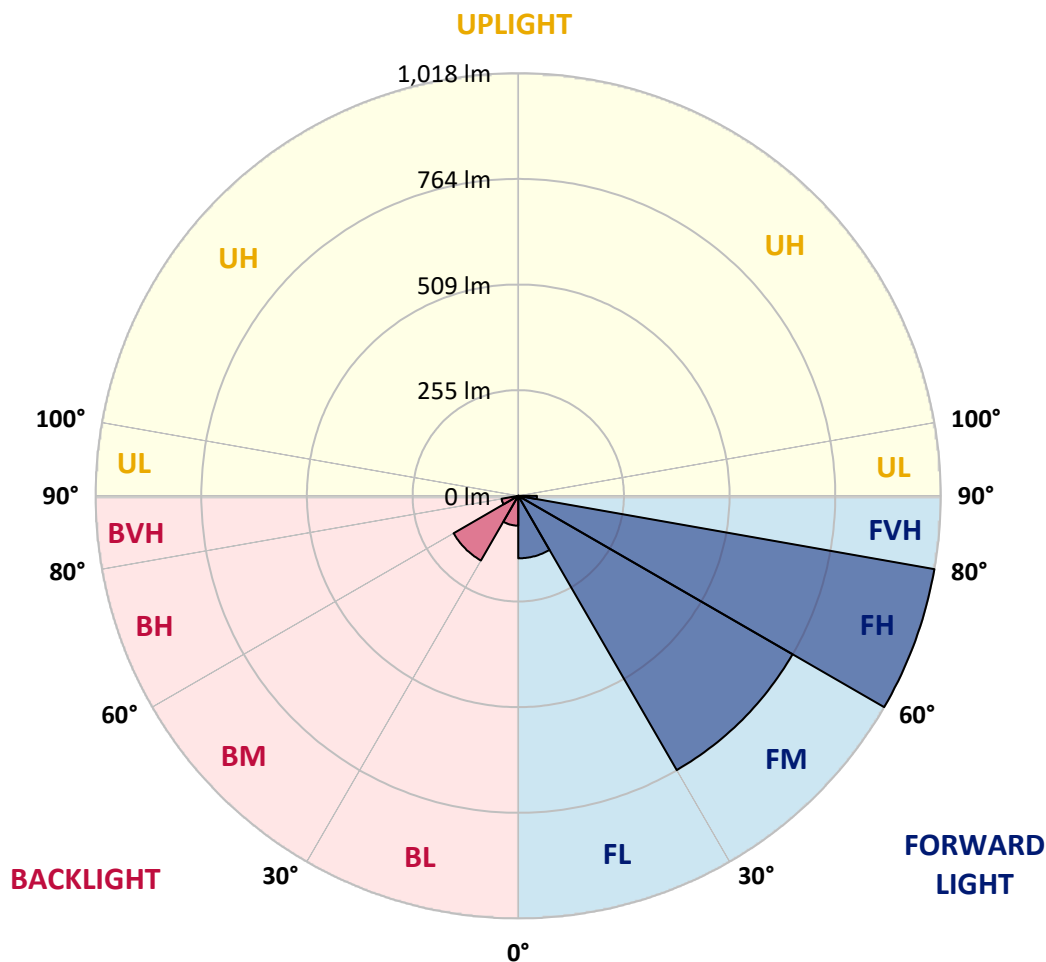
CATALOG NUMBER: GLAN-SB1A-940-U-SL4-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 150.7  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 763.1  | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 1018.2 | 44.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 44.9   | 2.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 72.0   | 3.2       | B0/110                  |      |         |
| BM   | (30°-60°)   | 180.0  | 7.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 40.8   | 1.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 300.6  | 300.6  | 300.6  | 300.6  | 300.6  | 300.6  | 300.6  | 300.6  | 300.6  | 300.6 |
| 2.5°  | 309.6  | 310.8  | 310.1  | 308.8  | 308.4  | 307.7  | 306.9  | 306.6  | 305.4  | 304.3 |
| 5°    | 318.3  | 319.5  | 318.7  | 316.8  | 316.0  | 315.1  | 313.9  | 312.9  | 310.5  | 308.3 |
| 7.5°  | 327.9  | 328.9  | 327.9  | 325.2  | 323.8  | 322.8  | 321.1  | 319.5  | 316.8  | 313.6 |
| 10°   | 338.5  | 339.4  | 337.8  | 334.2  | 332.0  | 330.5  | 328.9  | 327.2  | 324.7  | 321.1 |
| 12.5° | 348.4  | 349.5  | 347.1  | 342.8  | 340.2  | 338.7  | 337.0  | 335.6  | 333.1  | 329.6 |
| 15°   | 357.5  | 359.0  | 354.9  | 350.3  | 347.4  | 346.2  | 344.5  | 343.7  | 341.9  | 339.5 |
| 17.5° | 364.3  | 365.4  | 361.1  | 355.6  | 352.4  | 351.5  | 350.3  | 350.8  | 350.5  | 349.3 |
| 20°   | 370.2  | 370.8  | 365.2  | 358.5  | 354.9  | 355.1  | 354.8  | 356.5  | 357.2  | 357.2 |
| 22.5° | 377.3  | 377.5  | 370.3  | 361.9  | 357.7  | 358.9  | 359.4  | 361.3  | 362.6  | 364.0 |
| 25°   | 386.7  | 386.4  | 377.8  | 366.4  | 362.6  | 364.3  | 365.5  | 366.2  | 367.8  | 370.0 |
| 27.5° | 400.8  | 399.7  | 388.8  | 373.6  | 369.1  | 370.7  | 372.9  | 372.5  | 371.9  | 373.6 |
| 30°   | 418.5  | 417.2  | 402.6  | 383.7  | 379.6  | 380.9  | 381.6  | 378.5  | 373.6  | 375.1 |
| 32.5° | 446.7  | 444.4  | 424.2  | 394.9  | 388.6  | 390.2  | 389.3  | 383.0  | 375.6  | 377.2 |
| 35°   | 495.8  | 490.0  | 461.4  | 418.5  | 398.9  | 397.2  | 395.1  | 389.0  | 379.9  | 378.4 |
| 37.5° | 600.1  | 589.8  | 541.1  | 464.5  | 422.1  | 411.0  | 404.7  | 398.5  | 384.5  | 378.4 |
| 40°   | 717.7  | 707.3  | 651.1  | 541.5  | 460.8  | 442.0  | 426.9  | 409.8  | 389.3  | 380.6 |
| 42.5° | 840.5  | 829.0  | 771.2  | 636.9  | 516.0  | 477.4  | 449.3  | 418.9  | 397.2  | 387.4 |
| 45°   | 977.6  | 963.2  | 887.7  | 736.4  | 596.2  | 536.2  | 485.4  | 437.5  | 410.8  | 399.6 |
| 47.5° | 1122.3 | 1103.6 | 1003.8 | 833.0  | 682.5  | 617.5  | 551.4  | 470.9  | 431.0  | 417.7 |
| 50°   | 1250.5 | 1232.0 | 1123.6 | 934.0  | 763.2  | 695.0  | 626.6  | 517.0  | 461.3  | 443.3 |
| 52.5° | 1342.6 | 1328.6 | 1232.7 | 1038.3 | 847.2  | 767.7  | 694.8  | 570.7  | 499.6  | 476.2 |
| 55°   | 1404.4 | 1391.5 | 1310.0 | 1137.1 | 944.8  | 847.7  | 762.0  | 629.0  | 545.7  | 515.5 |
| 57.5° | 1441.8 | 1434.4 | 1365.9 | 1225.3 | 1041.6 | 935.2  | 839.0  | 693.1  | 600.1  | 561.8 |
| 60°   | 1455.1 | 1449.1 | 1400.6 | 1309.5 | 1158.5 | 1040.4 | 929.4  | 765.4  | 666.1  | 614.5 |
| 62.5° | 1419.6 | 1420.8 | 1425.6 | 1409.1 | 1281.8 | 1163.5 | 1037.8 | 852.3  | 739.3  | 674.1 |
| 65°   | 1252.2 | 1262.1 | 1353.1 | 1519.6 | 1445.0 | 1317.7 | 1175.8 | 958.3  | 823.1  | 742.0 |
| 67.5° | 1036.8 | 1051.1 | 1164.3 | 1584.2 | 1619.1 | 1517.9 | 1367.9 | 1093.4 | 922.9  | 811.1 |
| 70°   | 793.6  | 809.0  | 946.2  | 1570.7 | 1782.0 | 1736.7 | 1605.6 | 1265.2 | 1026.3 | 859.0 |
| 72.5° | 566.4  | 574.3  | 682.3  | 1450.5 | 1848.9 | 1885.8 | 1780.7 | 1427.9 | 1079.2 | 832.5 |
| 75°   | 398.0  | 396.7  | 468.3  | 1168.1 | 1744.8 | 1867.7 | 1719.3 | 1339.9 | 976.6  | 661.3 |
| 77.5° | 173.4  | 173.7  | 233.9  | 709.4  | 1392.6 | 1595.2 | 1429.1 | 839.3  | 680.8  | 350.5 |
| 80°   | 45.0   | 46.3   | 85.8   | 282.4  | 838.4  | 1052.8 | 871.6  | 369.0  | 314.6  | 85.5  |
| 82.5° | 15.9   | 16.9   | 39.5   | 88.7   | 309.3  | 482.8  | 388.1  | 118.0  | 82.1   | 24.4  |
| 85°   | 4.6    | 5.5    | 21.2   | 27.2   | 63.9   | 136.4  | 94.2   | 22.9   | 20.2   | 12.7  |
| 87.5° | 0.0    | 0.7    | 4.3    | 3.8    | 3.8    | 2.6    | 4.8    | 2.6    | 3.2    | 1.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |

REPORT NUMBER: P938861

CATALOG NUMBER: GLAN-SB1A-940-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°   |       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 300.6 | 0°    | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 | 300.6 |
| 303.1 | 2.5°  | 302.1 | 300.9 | 298.3 | 295.6 | 293.0 | 290.7 | 290.0 | 287.4 | 286.2 | 286.4 |
| 305.5 | 5°    | 303.6 | 301.4 | 296.5 | 290.5 | 284.3 | 277.3 | 271.5 | 263.3 | 256.3 | 255.4 |
| 310.1 | 7.5°  | 307.7 | 304.2 | 296.1 | 284.5 | 269.1 | 249.8 | 231.8 | 214.1 | 204.0 | 198.5 |
| 317.0 | 10°   | 314.1 | 309.3 | 297.0 | 274.7 | 242.1 | 207.6 | 180.4 | 158.0 | 146.5 | 141.2 |
| 325.4 | 12.5° | 321.6 | 316.3 | 298.3 | 258.2 | 207.2 | 161.9 | 132.5 | 118.8 | 116.4 | 116.1 |
| 335.6 | 15°   | 332.2 | 326.4 | 299.9 | 235.8 | 169.4 | 123.3 | 109.8 | 109.9 | 111.8 | 112.8 |
| 346.7 | 17.5° | 344.0 | 338.2 | 297.7 | 208.4 | 132.2 | 105.3 | 105.0 | 106.5 | 109.3 | 110.3 |
| 357.0 | 20°   | 356.0 | 350.5 | 289.8 | 176.3 | 106.9 | 100.4 | 101.7 | 103.4 | 106.2 | 107.5 |
| 367.1 | 22.5° | 368.3 | 363.5 | 277.3 | 142.1 | 96.4  | 96.8  | 98.5  | 100.2 | 103.3 | 104.8 |
| 377.0 | 25°   | 381.4 | 377.3 | 260.7 | 113.9 | 92.0  | 93.0  | 95.2  | 97.3  | 100.5 | 102.4 |
| 385.4 | 27.5° | 394.8 | 391.7 | 241.9 | 95.1  | 87.9  | 89.1  | 91.6  | 94.4  | 97.6  | 99.8  |
| 392.7 | 30°   | 409.3 | 407.6 | 226.9 | 88.0  | 83.9  | 85.0  | 87.9  | 91.0  | 94.5  | 97.3  |
| 400.1 | 32.5° | 424.2 | 423.8 | 219.5 | 93.2  | 80.4  | 81.0  | 83.6  | 86.7  | 91.1  | 94.5  |
| 406.2 | 35°   | 438.9 | 439.6 | 215.3 | 107.7 | 79.2  | 77.3  | 79.0  | 81.7  | 87.0  | 91.3  |
| 413.2 | 37.5° | 457.7 | 459.4 | 215.1 | 123.4 | 82.1  | 73.5  | 74.7  | 76.6  | 81.2  | 86.2  |
| 424.2 | 40°   | 485.7 | 494.8 | 226.0 | 136.9 | 87.2  | 70.1  | 70.4  | 70.8  | 73.2  | 77.3  |
| 438.7 | 42.5° | 523.0 | 549.5 | 265.5 | 146.2 | 89.2  | 67.0  | 65.8  | 63.9  | 63.6  | 65.8  |
| 458.5 | 45°   | 569.3 | 615.7 | 334.9 | 151.3 | 87.2  | 63.6  | 60.4  | 55.4  | 53.5  | 55.1  |
| 485.4 | 47.5° | 623.9 | 688.2 | 417.2 | 152.5 | 83.8  | 59.3  | 53.5  | 47.0  | 45.5  | 46.0  |
| 521.5 | 50°   | 677.0 | 742.5 | 489.5 | 142.6 | 78.1  | 53.9  | 46.0  | 40.5  | 39.5  | 39.7  |
| 564.0 | 52.5° | 724.1 | 761.2 | 510.0 | 119.2 | 70.6  | 47.2  | 39.5  | 35.7  | 35.0  | 35.0  |
| 611.0 | 55°   | 755.2 | 741.0 | 454.8 | 91.1  | 61.2  | 40.3  | 33.9  | 32.0  | 31.6  | 31.5  |
| 663.5 | 57.5° | 761.7 | 675.3 | 343.5 | 65.8  | 47.9  | 34.0  | 30.1  | 29.1  | 28.4  | 27.7  |
| 717.4 | 60°   | 738.4 | 565.9 | 218.7 | 46.0  | 35.9  | 29.1  | 26.7  | 26.0  | 24.6  | 23.3  |
| 768.0 | 62.5° | 688.2 | 427.4 | 121.0 | 32.0  | 28.9  | 24.8  | 23.6  | 22.7  | 20.2  | 18.0  |
| 808.2 | 65°   | 620.6 | 284.2 | 53.5  | 25.0  | 23.6  | 20.9  | 20.2  | 19.0  | 15.9  | 13.3  |
| 823.4 | 67.5° | 552.7 | 163.6 | 24.1  | 20.0  | 19.0  | 17.1  | 16.6  | 15.7  | 13.5  | 11.1  |
| 784.6 | 70°   | 475.3 | 82.9  | 16.6  | 15.9  | 14.7  | 13.0  | 13.5  | 13.3  | 11.1  | 9.1   |
| 639.9 | 72.5° | 353.9 | 41.2  | 12.5  | 12.0  | 10.6  | 9.2   | 11.1  | 10.9  | 8.7   | 6.8   |
| 394.6 | 75°   | 200.4 | 20.3  | 9.1   | 8.4   | 6.3   | 6.8   | 8.9   | 8.4   | 6.0   | 4.4   |
| 166.5 | 77.5° | 79.5  | 10.4  | 6.0   | 5.1   | 3.8   | 4.6   | 6.5   | 5.6   | 3.1   | 1.9   |
| 31.8  | 80°   | 18.3  | 5.1   | 3.1   | 2.2   | 1.7   | 2.7   | 3.4   | 2.1   | 0.9   | 0.2   |
| 8.5   | 82.5° | 5.1   | 2.2   | 1.0   | 0.9   | 0.9   | 1.0   | 0.9   | 0.3   | 0.0   | 0.0   |
| 2.2   | 85°   | 1.7   | 1.0   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   |
| 0.7   | 87.5° | 0.7   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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°  |
|-------|
| 300.6 |
| 286.2 |
| 254.9 |
| 198.2 |
| 140.2 |
| 115.9 |
| 112.7 |
| 110.1 |
| 107.5 |
| 104.8 |
| 102.4 |
| 100.0 |
| 97.6  |
| 94.9  |
| 92.0  |
| 87.0  |
| 78.6  |
| 67.0  |
| 55.1  |
| 45.8  |
| 39.7  |
| 34.9  |
| 31.1  |
| 27.4  |
| 22.7  |
| 17.3  |
| 12.8  |
| 10.8  |
| 8.7   |
| 6.5   |
| 4.1   |
| 1.7   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |