

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: P938841

Luminaire Tested: **GLAN-SB1A-930-U-SL4-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938841
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-930-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 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: 2179 lumens
Efficiency: N/A
Efficacy: 70.5 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

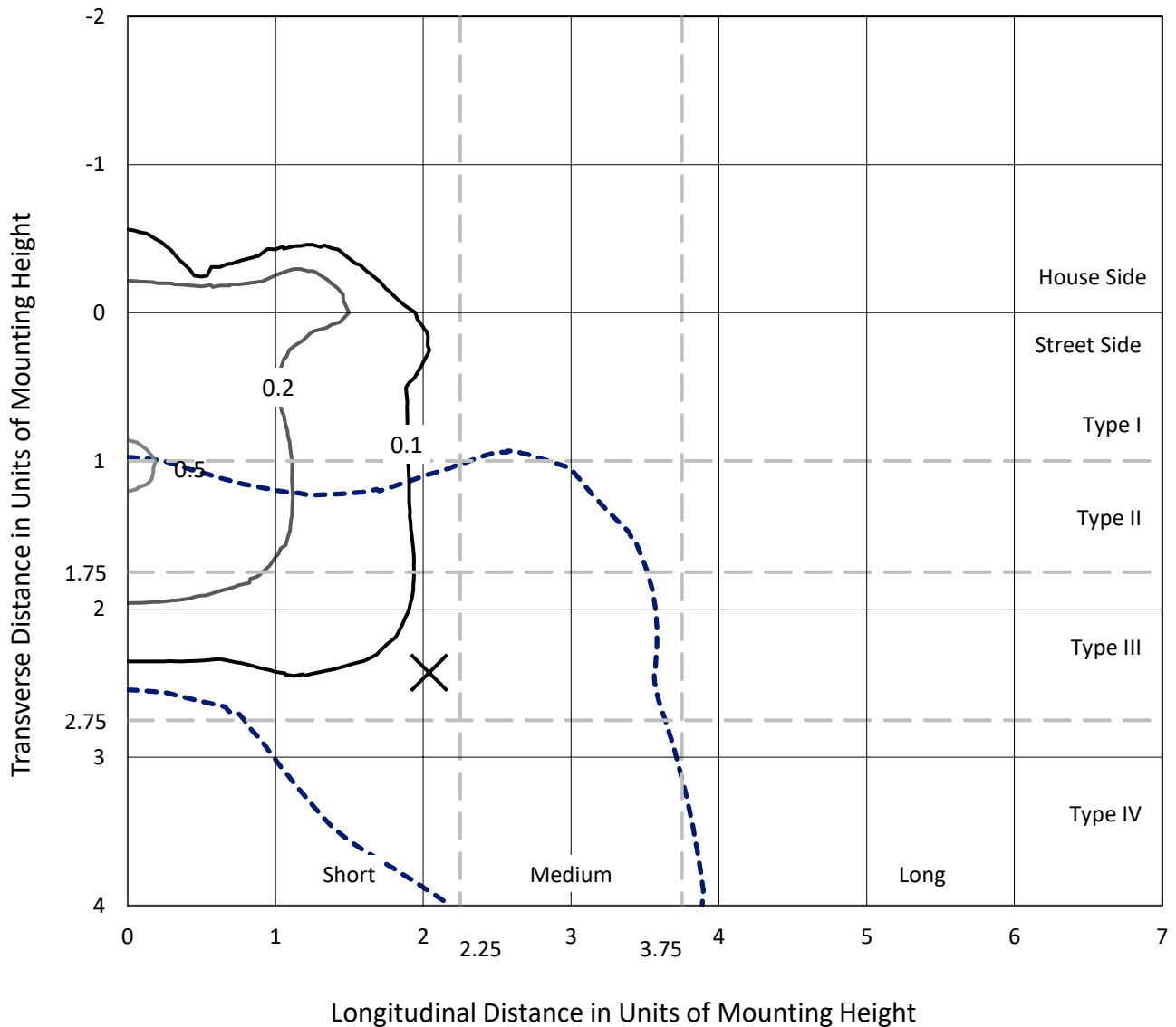
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P938841
 CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

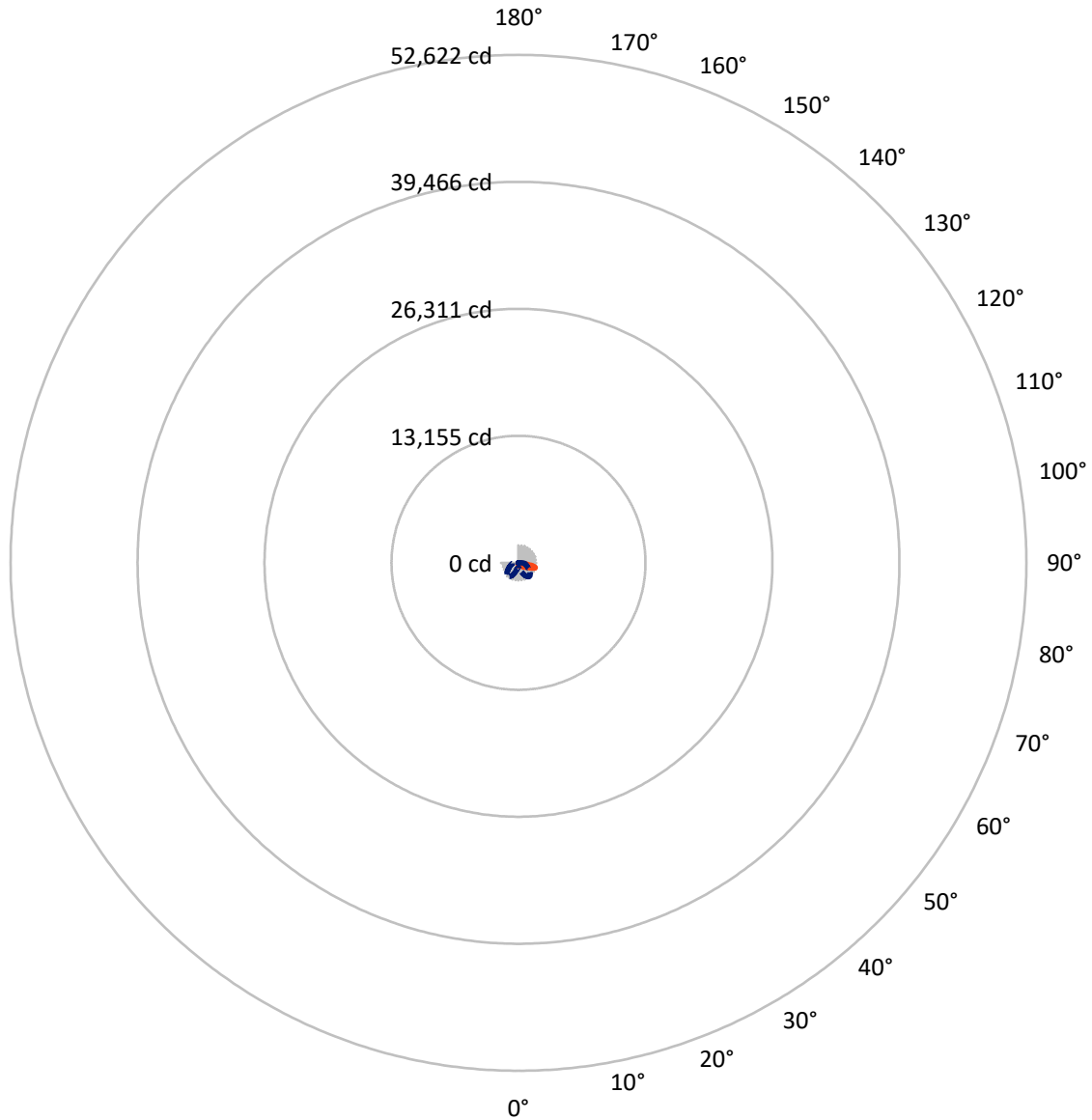
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P938841
CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P938841
 CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

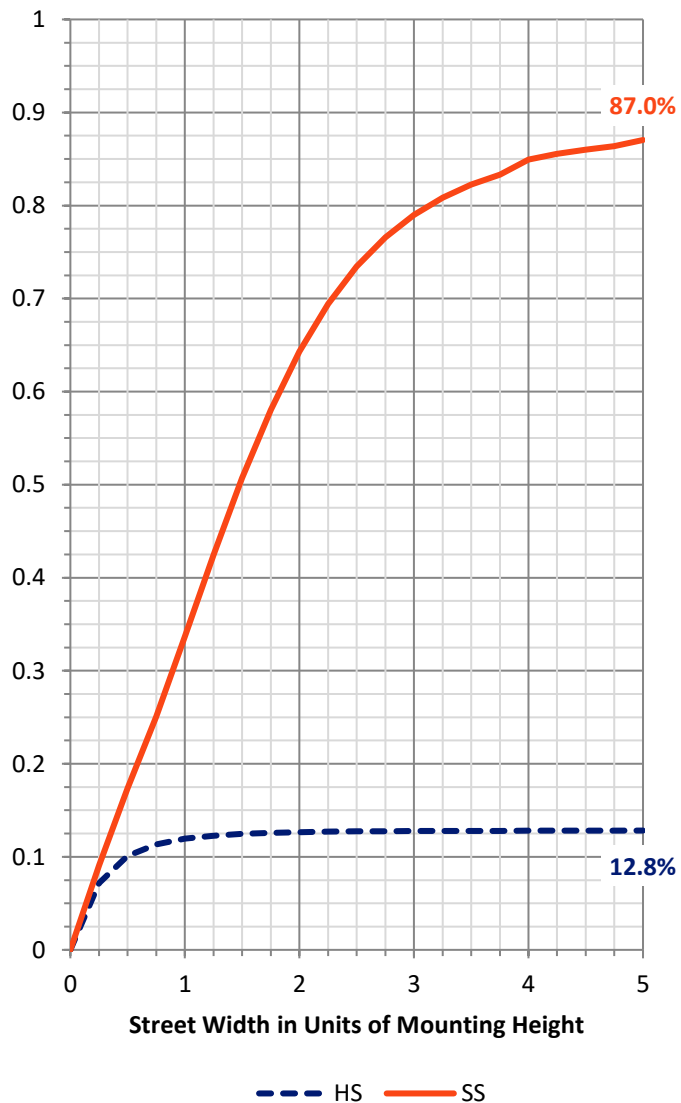
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 281.4 | 0.0 | 281.4 |
| | % Fixture | 12.9 | 0.0 | 12.9 |
| Street Side | Lumens | 1897.6 | 0.0 | 1897.6 |
| | % Fixture | 87.1 | 0.0 | 87.1 |
| Total | Lumens | 2179.0 | 0.0 | 2179.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.3 | 1.2 |
| 10°-20° | 71.6 | 3.3 |
| 20°-30° | 115.8 | 5.3 |
| 30°-40° | 170.9 | 7.8 |
| 40°-50° | 287.7 | 13.2 |
| 50°-60° | 446.7 | 20.5 |
| 60°-70° | 559.0 | 25.7 |
| 70°-80° | 457.6 | 21.0 |
| 80°-90° | 43.4 | 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° | 2179.0 | 100.0 |
| 0°-180° | 2179.0 | 100.0 |

Coefficient of Utilization



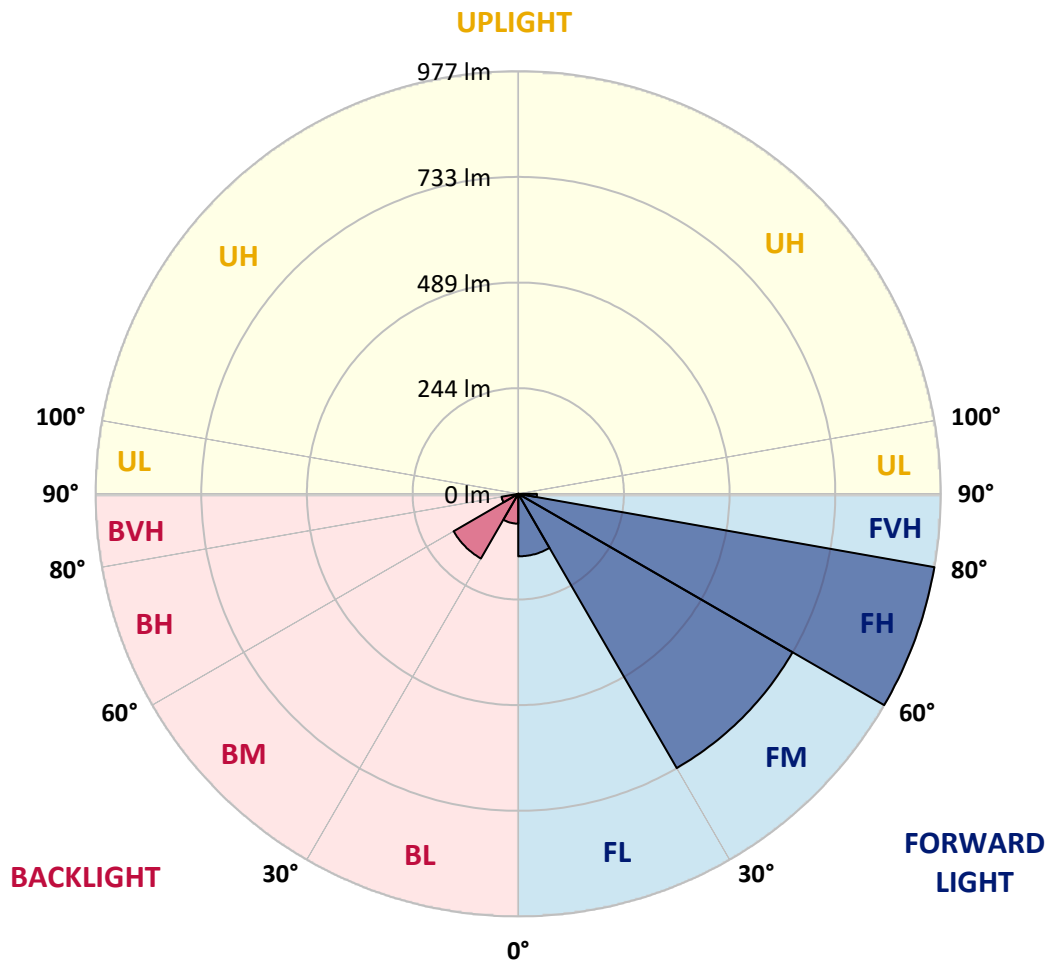
REPORT NUMBER: P938841
 CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 144.6 | 6.6 | | | |
| FM (30°-60°) | 732.5 | 33.6 | | | |
| FH (60°-80°) | 977.4 | 44.9 | | | G1/1800 |
| FVH (80°-90°) | 43.1 | 2.0 | | | G1/100 |
| BL (0°-30°) | 69.1 | 3.2 | B0/110 | | |
| BM (30°-60°) | 172.8 | 7.9 | B0/220 | | |
| BH (60°-80°) | 39.2 | 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



REPORT NUMBER: P938841
 CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 |
| 2.5° | 297.2 | 298.4 | 297.7 | 296.4 | 296.1 | 295.4 | 294.6 | 294.3 | 293.1 | 292.1 |
| 5° | 305.6 | 306.7 | 305.9 | 304.1 | 303.3 | 302.5 | 301.3 | 300.3 | 298.0 | 295.9 |
| 7.5° | 314.8 | 315.8 | 314.8 | 312.2 | 310.8 | 309.9 | 308.2 | 306.7 | 304.1 | 301.0 |
| 10° | 325.0 | 325.8 | 324.3 | 320.8 | 318.7 | 317.2 | 315.8 | 314.1 | 311.7 | 308.2 |
| 12.5° | 334.5 | 335.5 | 333.2 | 329.1 | 326.6 | 325.1 | 323.5 | 322.2 | 319.7 | 316.4 |
| 15° | 343.2 | 344.6 | 340.7 | 336.3 | 333.5 | 332.3 | 330.7 | 329.9 | 328.2 | 325.9 |
| 17.5° | 349.7 | 350.7 | 346.6 | 341.4 | 338.2 | 337.4 | 336.3 | 336.8 | 336.4 | 335.3 |
| 20° | 355.3 | 356.0 | 350.6 | 344.2 | 340.7 | 340.9 | 340.5 | 342.2 | 342.8 | 342.8 |
| 22.5° | 362.2 | 362.4 | 355.5 | 347.4 | 343.3 | 344.5 | 345.0 | 346.8 | 348.1 | 349.4 |
| 25° | 371.2 | 370.9 | 362.7 | 351.7 | 348.1 | 349.7 | 350.9 | 351.5 | 353.0 | 355.1 |
| 27.5° | 384.7 | 383.7 | 373.2 | 358.6 | 354.3 | 355.8 | 357.9 | 357.6 | 357.0 | 358.6 |
| 30° | 401.8 | 400.4 | 386.5 | 368.3 | 364.3 | 365.7 | 366.3 | 363.4 | 358.6 | 360.1 |
| 32.5° | 428.8 | 426.5 | 407.2 | 379.1 | 373.0 | 374.5 | 373.7 | 367.6 | 360.6 | 362.0 |
| 35° | 475.9 | 470.4 | 443.0 | 401.8 | 382.9 | 381.2 | 379.3 | 373.4 | 364.7 | 363.2 |
| 37.5° | 576.0 | 566.2 | 519.4 | 445.9 | 405.2 | 394.5 | 388.5 | 382.6 | 369.1 | 363.2 |
| 40° | 689.0 | 679.0 | 625.0 | 519.8 | 442.3 | 424.2 | 409.8 | 393.4 | 373.7 | 365.3 |
| 42.5° | 806.8 | 795.8 | 740.3 | 611.3 | 495.3 | 458.2 | 431.3 | 402.1 | 381.2 | 371.9 |
| 45° | 938.4 | 924.6 | 852.1 | 706.9 | 572.3 | 514.7 | 465.9 | 420.0 | 394.4 | 383.5 |
| 47.5° | 1077.3 | 1059.4 | 963.5 | 799.6 | 655.2 | 592.8 | 529.3 | 452.0 | 413.7 | 400.9 |
| 50° | 1200.4 | 1182.6 | 1078.6 | 896.6 | 732.6 | 667.1 | 601.5 | 496.3 | 442.8 | 425.6 |
| 52.5° | 1288.8 | 1275.4 | 1183.3 | 996.7 | 813.2 | 736.9 | 667.0 | 547.8 | 479.5 | 457.1 |
| 55° | 1348.1 | 1335.7 | 1257.5 | 1091.5 | 906.9 | 813.7 | 731.5 | 603.8 | 523.9 | 494.8 |
| 57.5° | 1384.0 | 1376.9 | 1311.1 | 1176.2 | 999.8 | 897.7 | 805.3 | 665.3 | 576.0 | 539.3 |
| 60° | 1396.8 | 1391.1 | 1344.4 | 1257.0 | 1112.1 | 998.7 | 892.1 | 734.8 | 639.4 | 589.8 |
| 62.5° | 1362.7 | 1363.8 | 1368.4 | 1352.7 | 1230.4 | 1116.8 | 996.2 | 818.1 | 709.6 | 647.1 |
| 65° | 1202.0 | 1211.5 | 1298.8 | 1458.7 | 1387.1 | 1264.8 | 1128.6 | 919.9 | 790.1 | 712.3 |
| 67.5° | 995.2 | 1009.0 | 1117.6 | 1520.7 | 1554.2 | 1457.0 | 1313.1 | 1049.5 | 885.9 | 778.6 |
| 70° | 761.8 | 776.6 | 908.2 | 1507.7 | 1710.6 | 1667.1 | 1541.2 | 1214.5 | 985.2 | 824.5 |
| 72.5° | 543.7 | 551.3 | 655.0 | 1392.4 | 1774.8 | 1810.2 | 1709.3 | 1370.7 | 1035.9 | 799.1 |
| 75° | 382.1 | 380.8 | 449.5 | 1121.2 | 1674.8 | 1792.8 | 1650.4 | 1286.2 | 937.4 | 634.8 |
| 77.5° | 166.4 | 166.7 | 224.5 | 680.9 | 1336.7 | 1531.2 | 1371.9 | 805.6 | 653.5 | 336.4 |
| 80° | 43.2 | 44.5 | 82.4 | 271.1 | 804.8 | 1010.6 | 836.7 | 354.2 | 302.0 | 82.1 |
| 82.5° | 15.3 | 16.2 | 37.9 | 85.2 | 296.9 | 463.5 | 372.5 | 113.2 | 78.8 | 23.5 |
| 85° | 4.4 | 5.3 | 20.4 | 26.1 | 61.4 | 131.0 | 90.4 | 22.0 | 19.4 | 12.1 |
| 87.5° | 0.0 | 0.7 | 4.1 | 3.6 | 3.6 | 2.5 | 4.6 | 2.5 | 3.1 | 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: P938841
 CATALOG NUMBER: GLAN-SB1A-930-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 288.5 | 0° | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 | 288.5 |
| 291.0 | 2.5° | 290.0 | 288.8 | 286.4 | 283.8 | 281.3 | 279.0 | 278.3 | 275.9 | 274.7 | 274.9 |
| 293.3 | 5° | 291.5 | 289.3 | 284.6 | 278.8 | 272.9 | 266.2 | 260.6 | 252.7 | 246.0 | 245.2 |
| 297.7 | 7.5° | 295.4 | 292.0 | 284.3 | 273.1 | 258.3 | 239.8 | 222.5 | 205.5 | 195.8 | 190.5 |
| 304.3 | 10° | 301.5 | 296.9 | 285.1 | 263.7 | 232.4 | 199.2 | 173.1 | 151.6 | 140.6 | 135.6 |
| 312.3 | 12.5° | 308.7 | 303.6 | 286.4 | 247.8 | 198.9 | 155.4 | 127.2 | 114.1 | 111.8 | 111.4 |
| 322.2 | 15° | 318.9 | 313.3 | 287.9 | 226.3 | 162.6 | 118.3 | 105.4 | 105.5 | 107.3 | 108.3 |
| 332.8 | 17.5° | 330.2 | 324.6 | 285.7 | 200.1 | 126.9 | 101.1 | 100.8 | 102.2 | 104.9 | 105.9 |
| 342.7 | 20° | 341.7 | 336.4 | 278.2 | 169.2 | 102.6 | 96.3 | 97.6 | 99.3 | 101.9 | 103.2 |
| 352.4 | 22.5° | 353.5 | 348.9 | 266.2 | 136.4 | 92.6 | 92.9 | 94.5 | 96.2 | 99.1 | 100.6 |
| 361.9 | 25° | 366.1 | 362.2 | 250.3 | 109.3 | 88.3 | 89.3 | 91.4 | 93.4 | 96.5 | 98.3 |
| 369.9 | 27.5° | 378.9 | 376.0 | 232.2 | 91.2 | 84.4 | 85.5 | 88.0 | 90.6 | 93.7 | 95.8 |
| 377.0 | 30° | 392.9 | 391.3 | 217.8 | 84.5 | 80.6 | 81.6 | 84.4 | 87.3 | 90.8 | 93.4 |
| 384.0 | 32.5° | 407.2 | 406.8 | 210.7 | 89.4 | 77.1 | 77.8 | 80.3 | 83.2 | 87.5 | 90.8 |
| 389.9 | 35° | 421.3 | 421.9 | 206.6 | 103.4 | 76.0 | 74.2 | 75.8 | 78.4 | 83.5 | 87.6 |
| 396.7 | 37.5° | 439.3 | 441.0 | 206.5 | 118.5 | 78.8 | 70.6 | 71.7 | 73.5 | 78.0 | 82.7 |
| 407.2 | 40° | 466.3 | 475.0 | 217.0 | 131.5 | 83.7 | 67.3 | 67.6 | 67.9 | 70.2 | 74.2 |
| 421.1 | 42.5° | 502.0 | 527.5 | 254.9 | 140.3 | 85.7 | 64.3 | 63.2 | 61.4 | 61.1 | 63.2 |
| 440.2 | 45° | 546.5 | 591.0 | 321.5 | 145.2 | 83.7 | 61.1 | 57.9 | 53.2 | 51.4 | 52.8 |
| 465.9 | 47.5° | 598.9 | 660.6 | 400.4 | 146.4 | 80.4 | 56.9 | 51.4 | 45.1 | 43.7 | 44.1 |
| 500.6 | 50° | 649.9 | 712.8 | 469.9 | 136.9 | 75.0 | 51.7 | 44.1 | 38.9 | 37.9 | 38.1 |
| 541.4 | 52.5° | 695.0 | 730.6 | 489.6 | 114.4 | 67.8 | 45.3 | 37.9 | 34.3 | 33.6 | 33.6 |
| 586.6 | 55° | 724.9 | 711.3 | 436.6 | 87.5 | 58.8 | 38.7 | 32.5 | 30.7 | 30.4 | 30.2 |
| 636.9 | 57.5° | 731.1 | 648.3 | 329.7 | 63.2 | 46.0 | 32.7 | 28.9 | 27.9 | 27.2 | 26.6 |
| 688.6 | 60° | 708.8 | 543.2 | 209.9 | 44.1 | 34.5 | 27.9 | 25.6 | 24.9 | 23.6 | 22.3 |
| 737.2 | 62.5° | 660.6 | 410.3 | 116.2 | 30.7 | 27.7 | 23.8 | 22.6 | 21.8 | 19.4 | 17.2 |
| 775.8 | 65° | 595.7 | 272.8 | 51.4 | 24.0 | 22.6 | 20.0 | 19.4 | 18.2 | 15.3 | 12.8 |
| 790.4 | 67.5° | 530.6 | 157.1 | 23.1 | 19.2 | 18.2 | 16.4 | 15.9 | 15.1 | 13.0 | 10.7 |
| 753.1 | 70° | 456.2 | 79.6 | 15.9 | 15.3 | 14.1 | 12.5 | 13.0 | 12.8 | 10.7 | 8.7 |
| 614.3 | 72.5° | 339.7 | 39.6 | 12.0 | 11.5 | 10.2 | 8.9 | 10.7 | 10.5 | 8.4 | 6.6 |
| 378.8 | 75° | 192.3 | 19.5 | 8.7 | 8.0 | 6.1 | 6.6 | 8.5 | 8.0 | 5.7 | 4.3 |
| 159.8 | 77.5° | 76.3 | 10.0 | 5.7 | 4.9 | 3.6 | 4.4 | 6.2 | 5.4 | 3.0 | 1.8 |
| 30.5 | 80° | 17.6 | 4.9 | 3.0 | 2.1 | 1.6 | 2.6 | 3.3 | 2.0 | 0.8 | 0.2 |
| 8.2 | 82.5° | 4.9 | 2.1 | 1.0 | 0.8 | 0.8 | 1.0 | 0.8 | 0.3 | 0.0 | 0.0 |
| 2.1 | 85° | 1.6 | 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 |

(END O

| |
|-------|
| 180° |
| 288.5 |
| 274.7 |
| 244.7 |
| 190.2 |
| 134.6 |
| 111.3 |
| 108.2 |
| 105.7 |
| 103.2 |
| 100.6 |
| 98.3 |
| 96.0 |
| 93.7 |
| 91.1 |
| 88.3 |
| 83.5 |
| 75.5 |
| 64.3 |
| 52.8 |
| 44.0 |
| 38.1 |
| 33.5 |
| 29.9 |
| 26.3 |
| 21.8 |
| 16.6 |
| 12.3 |
| 10.3 |
| 8.4 |
| 6.2 |
| 3.9 |
| 1.6 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)