

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: P948318

Luminaire Tested: **GLAN-SB3B-930-U-AFL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-930-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10021 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

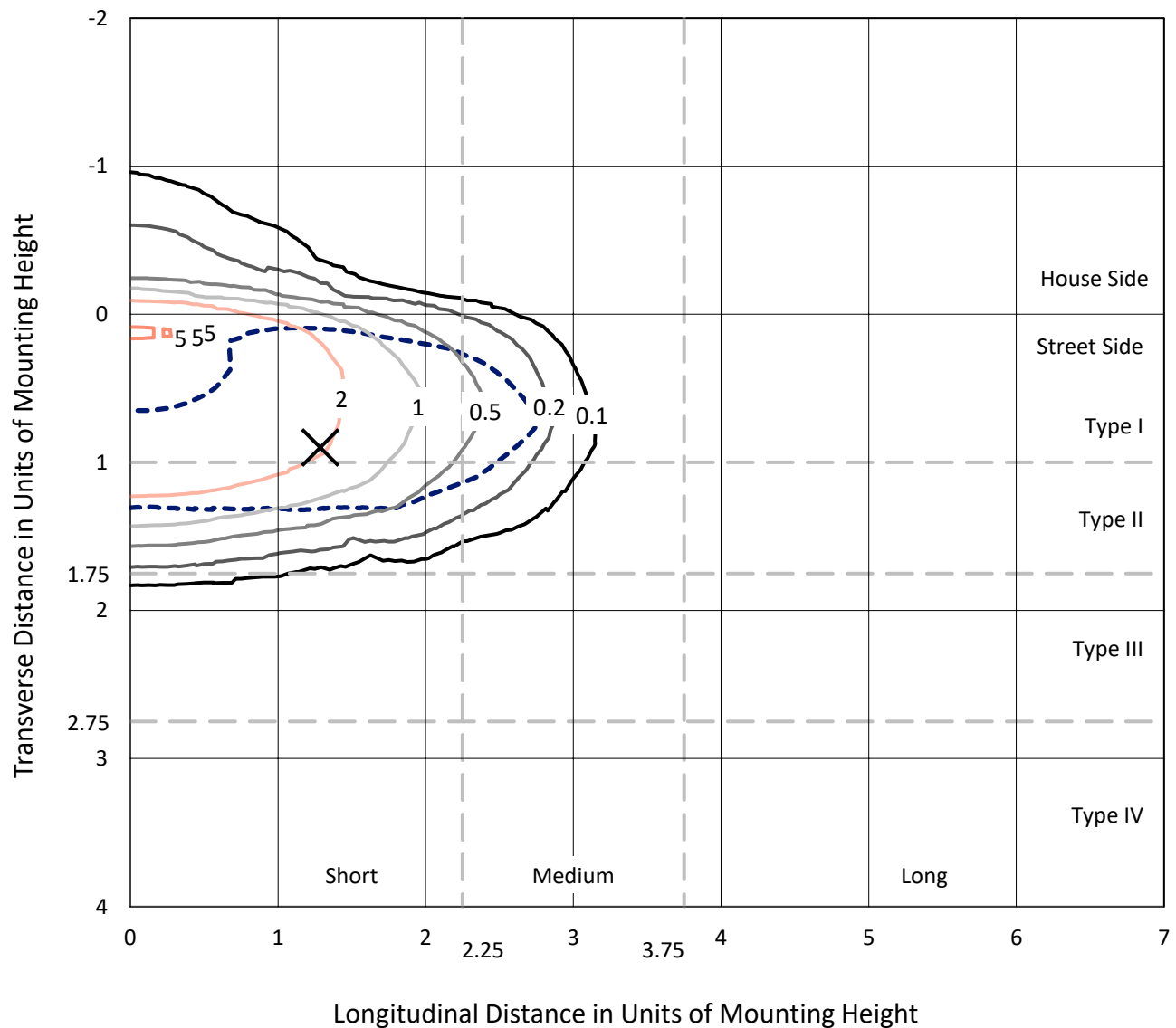
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P948318  
CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

## Iso-Footcandle Lines of Horizontal Illumination

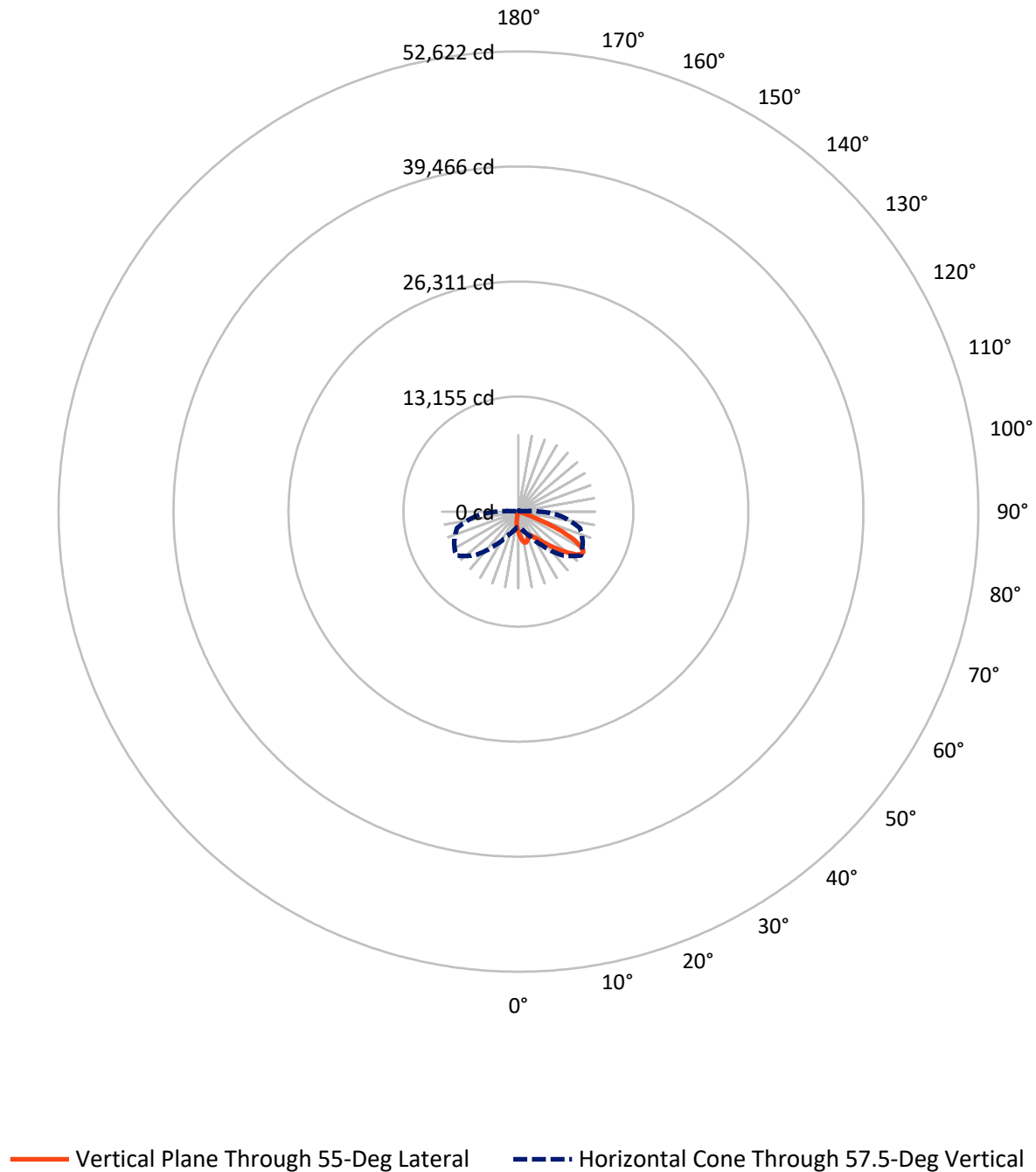
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
Type II - Short - N/A

REPORT NUMBER: P948318  
CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P948318

CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

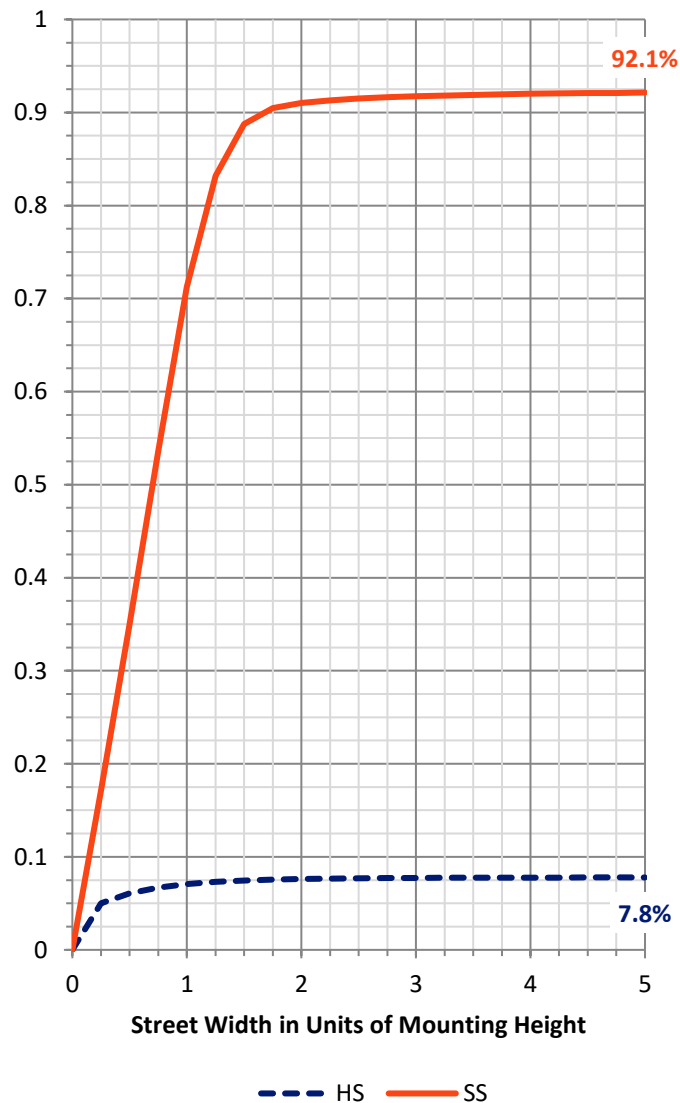
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 782.6    | 0.0    | 782.6   |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 9238.4   | 0.0    | 9238.4  |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 10021.0  | 0.0    | 10021.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 224.7   | 2.2       |
| 10°-20°   | 542.7   | 5.4       |
| 20°-30°   | 868.4   | 8.7       |
| 30°-40°   | 1469.7  | 14.7      |
| 40°-50°   | 2413.0  | 24.1      |
| 50°-60°   | 2652.1  | 26.5      |
| 60°-70°   | 1521.2  | 15.2      |
| 70°-80°   | 310.8   | 3.1       |
| 80°-90°   | 18.3    | 0.2       |
| 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°    | 10021.0 | 100.0     |
| 0°-180°   | 10021.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P948318

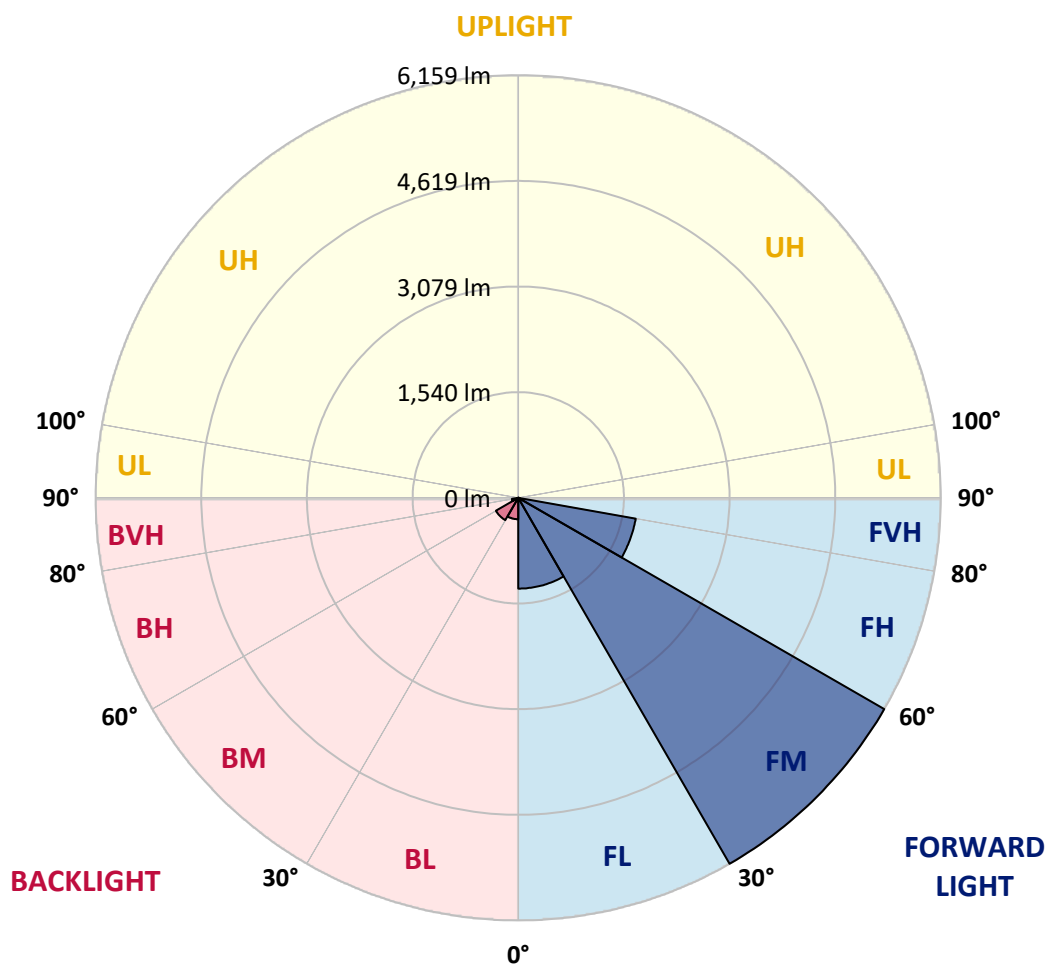
CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1323.3 | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 6159.0 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 1739.0 | 17.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 17.1   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 312.4  | 3.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 375.9  | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 93.1   | 0.9       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.2    | 0.0       |                         |      | 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 Short



REPORT NUMBER: P948318

CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 |
| 2.5°  | 2996.3 | 2958.6 | 2953.0 | 2945.6 | 2873.9 | 2820.2 | 2742.3 | 2657.0 | 2561.3 | 2463.6 |
| 5°    | 3461.6 | 3431.9 | 3426.3 | 3391.7 | 3310.2 | 3218.7 | 3080.3 | 2905.4 | 2726.9 | 2516.8 |
| 7.5°  | 3551.8 | 3546.2 | 3571.6 | 3570.3 | 3559.2 | 3486.9 | 3370.1 | 3161.9 | 2893.7 | 2582.3 |
| 10°   | 3149.5 | 3163.7 | 3239.1 | 3305.2 | 3483.8 | 3587.6 | 3562.3 | 3390.5 | 3065.5 | 2657.0 |
| 12.5° | 2783.1 | 2766.4 | 2820.2 | 2894.9 | 3102.6 | 3411.5 | 3642.0 | 3581.4 | 3262.0 | 2741.7 |
| 15°   | 2553.2 | 2546.4 | 2576.7 | 2611.3 | 2769.5 | 3080.9 | 3549.3 | 3736.5 | 3451.1 | 2841.8 |
| 17.5° | 2479.7 | 2474.1 | 2483.4 | 2492.1 | 2594.6 | 2835.6 | 3328.7 | 3831.7 | 3632.1 | 2956.1 |
| 20°   | 2539.6 | 2532.2 | 2531.0 | 2524.2 | 2566.8 | 2731.2 | 3129.1 | 3838.5 | 3794.6 | 3059.9 |
| 22.5° | 2714.5 | 2705.9 | 2675.6 | 2648.4 | 2652.1 | 2745.4 | 3040.1 | 3770.5 | 3917.0 | 3156.9 |
| 25°   | 3031.5 | 3017.3 | 2954.3 | 2862.8 | 2804.7 | 2844.3 | 3053.7 | 3680.9 | 4033.8 | 3232.9 |
| 27.5° | 3428.2 | 3409.7 | 3328.7 | 3192.8 | 3059.9 | 3011.7 | 3152.0 | 3619.1 | 4130.8 | 3291.0 |
| 30°   | 3816.9 | 3792.8 | 3713.1 | 3607.4 | 3413.4 | 3261.4 | 3329.3 | 3646.3 | 4246.3 | 3351.6 |
| 32.5° | 4236.4 | 4213.6 | 4107.9 | 3976.9 | 3816.2 | 3611.7 | 3572.2 | 3779.2 | 4387.8 | 3436.2 |
| 35°   | 4767.2 | 4731.4 | 4581.2 | 4402.6 | 4232.1 | 4025.1 | 3900.9 | 4008.4 | 4576.3 | 3565.4 |
| 37.5° | 5371.5 | 5323.3 | 5161.4 | 4914.9 | 4692.5 | 4460.7 | 4301.3 | 4323.6 | 4852.5 | 3738.4 |
| 40°   | 5941.3 | 5897.4 | 5747.9 | 5515.5 | 5236.2 | 4955.1 | 4785.1 | 4735.7 | 5233.7 | 3949.1 |
| 42.5° | 6283.0 | 6243.4 | 6180.4 | 6082.1 | 5846.7 | 5560.0 | 5345.6 | 5238.7 | 5684.8 | 4201.2 |
| 45°   | 6302.1 | 6267.5 | 6352.2 | 6466.5 | 6420.1 | 6229.2 | 5967.8 | 5771.9 | 6137.8 | 4437.9 |
| 47.5° | 5995.6 | 5972.2 | 6229.2 | 6628.4 | 6827.3 | 6907.7 | 6666.7 | 6260.7 | 6511.6 | 4607.8 |
| 50°   | 5160.2 | 5151.6 | 5680.5 | 6413.3 | 6982.4 | 7502.1 | 7403.9 | 6715.5 | 6801.4 | 4695.5 |
| 52.5° | 4474.3 | 4442.8 | 4751.2 | 5725.0 | 6756.9 | 7814.8 | 8124.4 | 7161.6 | 7004.1 | 4712.2 |
| 55°   | 3393.6 | 3365.8 | 3752.6 | 4573.2 | 6029.6 | 7703.6 | 8651.4 | 7622.0 | 7149.3 | 4669.6 |
| 57.5° | 1820.4 | 1803.1 | 2291.8 | 3043.9 | 4713.5 | 7036.2 | 8746.6 | 8108.9 | 7271.6 | 4556.5 |
| 60°   | 708.7  | 705.7  | 888.6  | 1476.8 | 2864.7 | 5724.4 | 8266.5 | 8401.2 | 7348.3 | 4417.5 |
| 62.5° | 428.8  | 438.1  | 467.8  | 663.0  | 1265.5 | 3556.1 | 7159.8 | 8068.7 | 7399.5 | 4290.2 |
| 65°   | 354.7  | 355.3  | 359.0  | 455.4  | 606.2  | 1487.9 | 5390.1 | 6975.0 | 7272.9 | 4063.4 |
| 67.5° | 304.0  | 309.6  | 323.8  | 361.5  | 427.6  | 652.5  | 3103.2 | 5403.1 | 6502.3 | 3535.7 |
| 70°   | 239.8  | 247.2  | 265.1  | 297.2  | 330.0  | 408.4  | 1146.9 | 3595.0 | 4967.4 | 2665.1 |
| 72.5° | 202.1  | 201.4  | 210.7  | 241.6  | 262.0  | 287.3  | 441.2  | 2014.4 | 2886.9 | 1272.3 |
| 75°   | 156.3  | 162.5  | 174.3  | 202.1  | 214.4  | 208.2  | 239.1  | 735.9  | 1034.4 | 385.6  |
| 77.5° | 122.3  | 127.3  | 137.8  | 165.0  | 177.3  | 147.7  | 137.8  | 263.2  | 332.4  | 138.4  |
| 80°   | 55.0   | 59.3   | 93.9   | 121.7  | 144.6  | 102.0  | 74.8   | 134.7  | 147.7  | 63.0   |
| 82.5° | 9.9    | 16.7   | 55.0   | 64.3   | 74.1   | 66.1   | 38.9   | 69.8   | 72.3   | 25.3   |
| 85°   | 0.6    | 1.2    | 19.2   | 23.5   | 29.7   | 21.6   | 11.7   | 27.8   | 24.1   | 8.7    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    | 3.1    | 3.7    | 4.9    | 3.7    | 3.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P948318

CATALOG NUMBER: GLAN-SB3B-930-U-AFL-HSS

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2414.8 | 0°    | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 | 2414.8 |
| 2420.4 | 2.5°  | 2375.9 | 2288.1 | 2202.9 | 2133.0 | 2092.3 | 2023.1 | 1977.3 | 1969.9 | 1950.8 | 1967.4 |
| 2426.6 | 5°    | 2330.2 | 2173.2 | 2014.4 | 1872.3 | 1755.5 | 1604.7 | 1492.3 | 1444.7 | 1403.3 | 1417.5 |
| 2442.6 | 7.5°  | 2308.5 | 2060.7 | 1813.6 | 1570.7 | 1321.1 | 1080.1 | 900.9  | 826.2  | 769.3  | 777.3  |
| 2460.5 | 10°   | 2279.5 | 1944.0 | 1556.5 | 1185.8 | 851.5  | 613.6  | 490.0  | 444.3  | 418.9  | 419.6  |
| 2487.1 | 12.5° | 2257.2 | 1804.3 | 1258.1 | 803.9  | 518.4  | 391.8  | 353.4  | 342.3  | 334.9  | 335.5  |
| 2527.3 | 15°   | 2246.1 | 1639.9 | 963.3  | 535.7  | 370.7  | 331.8  | 322.6  | 317.6  | 312.7  | 312.0  |
| 2571.8 | 17.5° | 2227.6 | 1457.0 | 705.0  | 391.1  | 324.4  | 310.8  | 302.8  | 297.2  | 291.0  | 289.8  |
| 2610.1 | 20°   | 2199.8 | 1249.4 | 515.3  | 330.6  | 304.0  | 293.5  | 282.4  | 275.0  | 267.6  | 266.3  |
| 2634.2 | 22.5° | 2148.5 | 1030.1 | 396.1  | 305.9  | 289.2  | 277.4  | 263.8  | 255.2  | 247.8  | 246.5  |
| 2622.4 | 25°   | 2053.3 | 824.3  | 333.7  | 290.4  | 276.2  | 262.0  | 247.2  | 235.4  | 228.6  | 227.4  |
| 2597.1 | 27.5° | 1932.8 | 647.6  | 302.8  | 276.2  | 259.5  | 246.5  | 229.9  | 218.7  | 212.6  | 211.3  |
| 2563.7 | 30°   | 1790.7 | 498.7  | 284.9  | 260.1  | 239.8  | 228.6  | 213.8  | 204.5  | 200.8  | 200.8  |
| 2540.3 | 32.5° | 1637.5 | 398.6  | 277.4  | 244.1  | 222.4  | 210.1  | 198.4  | 194.6  | 193.4  | 192.8  |
| 2553.2 | 35°   | 1493.5 | 346.0  | 273.7  | 231.1  | 207.0  | 195.3  | 190.3  | 190.9  | 193.4  | 193.4  |
| 2593.4 | 37.5° | 1365.6 | 329.3  | 271.9  | 221.8  | 193.4  | 182.9  | 186.0  | 191.6  | 189.1  | 189.1  |
| 2663.8 | 40°   | 1250.0 | 331.2  | 270.6  | 215.0  | 182.3  | 176.1  | 182.3  | 178.0  | 171.8  | 171.2  |
| 2749.7 | 42.5° | 1161.7 | 346.7  | 268.2  | 209.5  | 175.5  | 171.2  | 168.7  | 161.9  | 161.3  | 162.5  |
| 2838.7 | 45°   | 1097.4 | 360.2  | 267.6  | 207.0  | 168.1  | 160.0  | 157.0  | 150.2  | 162.5  | 165.6  |
| 2875.2 | 47.5° | 1021.4 | 360.2  | 267.6  | 198.4  | 155.7  | 152.6  | 147.7  | 140.3  | 152.6  | 155.7  |
| 2840.6 | 50°   | 923.2  | 337.4  | 257.1  | 188.5  | 145.8  | 144.0  | 135.3  | 126.1  | 123.6  | 125.4  |
| 2759.6 | 52.5° | 799.0  | 296.0  | 230.5  | 174.9  | 135.9  | 132.2  | 121.7  | 114.9  | 113.1  | 113.1  |
| 2614.4 | 55°   | 657.5  | 247.8  | 194.6  | 155.1  | 125.4  | 118.6  | 111.2  | 108.1  | 106.3  | 105.0  |
| 2411.1 | 57.5° | 534.5  | 203.3  | 156.3  | 137.8  | 115.6  | 106.9  | 104.4  | 100.7  | 97.6   | 95.8   |
| 2241.2 | 60°   | 438.7  | 160.0  | 129.1  | 122.3  | 105.7  | 97.6   | 97.0   | 92.1   | 84.0   | 82.8   |
| 2100.9 | 62.5° | 338.6  | 117.4  | 108.8  | 106.3  | 95.8   | 89.0   | 87.7   | 77.9   | 65.5   | 63.0   |
| 1901.9 | 65°   | 239.1  | 91.5   | 87.7   | 93.3   | 85.3   | 79.1   | 76.0   | 61.2   | 48.2   | 46.3   |
| 1591.8 | 67.5° | 168.1  | 76.6   | 69.2   | 81.6   | 74.1   | 66.1   | 64.3   | 51.9   | 40.2   | 38.9   |
| 1203.7 | 70°   | 119.9  | 62.4   | 56.8   | 69.8   | 59.3   | 58.1   | 54.4   | 43.3   | 32.7   | 31.5   |
| 595.7  | 72.5° | 84.7   | 47.6   | 43.9   | 60.6   | 40.8   | 50.1   | 44.5   | 33.4   | 24.7   | 23.5   |
| 202.7  | 75°   | 62.4   | 34.0   | 30.9   | 35.2   | 29.7   | 37.7   | 31.5   | 22.2   | 15.4   | 14.8   |
| 91.5   | 77.5° | 45.7   | 21.6   | 18.5   | 17.3   | 17.3   | 23.5   | 17.3   | 9.3    | 6.8    | 6.2    |
| 46.3   | 80°   | 32.1   | 9.9    | 8.7    | 7.4    | 6.8    | 5.6    | 2.5    | 1.2    | 0.6    | 0.6    |
| 16.1   | 82.5° | 19.2   | 4.3    | 4.3    | 3.1    | 1.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 6.2    | 85°   | 4.3    | 1.9    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 2.5    | 87.5° | 0.6    | 0.6    | 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 OF RI

