

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: P952025

Luminaire Tested: **GLAN-SB6A-730-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952025  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-730-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23031 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 170.9  
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



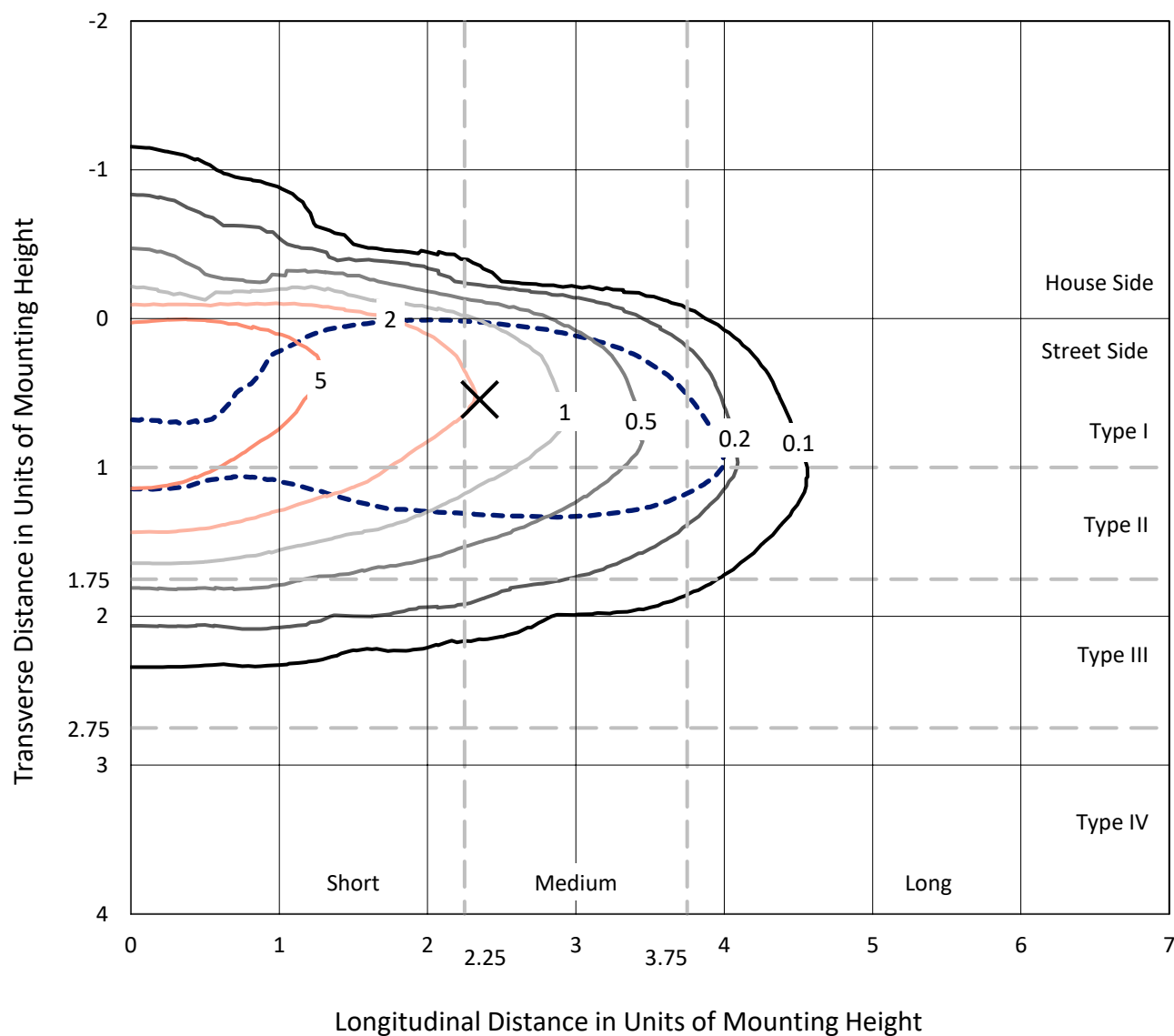
REPORT NUMBER: P952025

CATALOG NUMBER: GLAN-SB6A-730-U-T2R-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

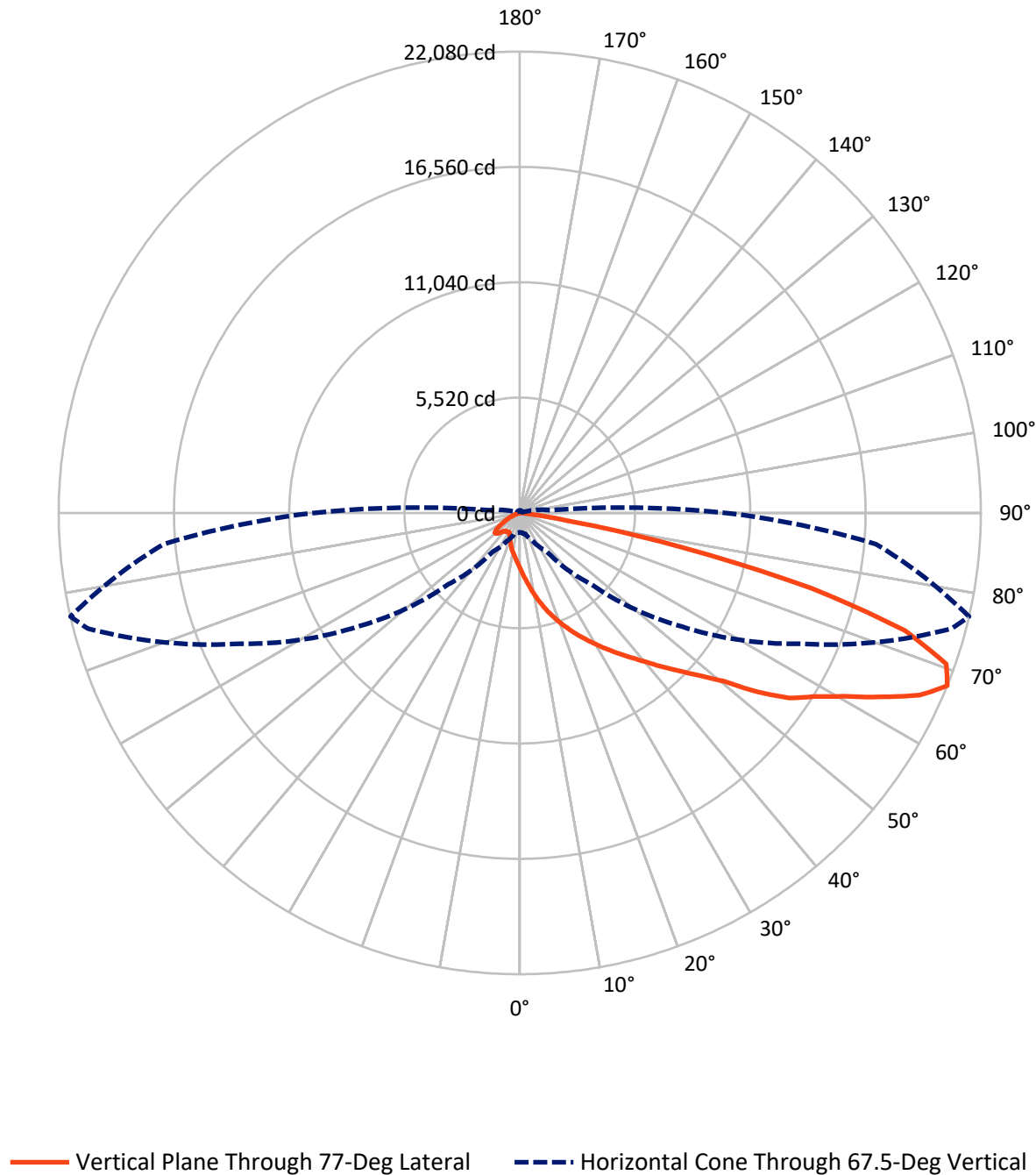
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
Type II - Medium - N/A

REPORT NUMBER: P952025  
CATALOG NUMBER: GLAN-SB6A-730-U-T2R-HSS

## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1694.4   | 0.0    | 1694.4  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 21336.6  | 0.0    | 21336.6 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 23031.0  | 0.0    | 23031.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 271.1   | 1.2       |
| 10°-20°   | 949.2   | 4.1       |
| 20°-30°   | 1831.8  | 8.0       |
| 30°-40°   | 3180.1  | 13.8      |
| 40°-50°   | 4617.3  | 20.0      |
| 50°-60°   | 5302.4  | 23.0      |
| 60°-70°   | 4603.5  | 20.0      |
| 70°-80°   | 2168.3  | 9.4       |
| 80°-90°   | 107.2   | 0.5       |
| 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°    | 23031.0 | 100.0     |
| 0°-180°   | 23031.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952025

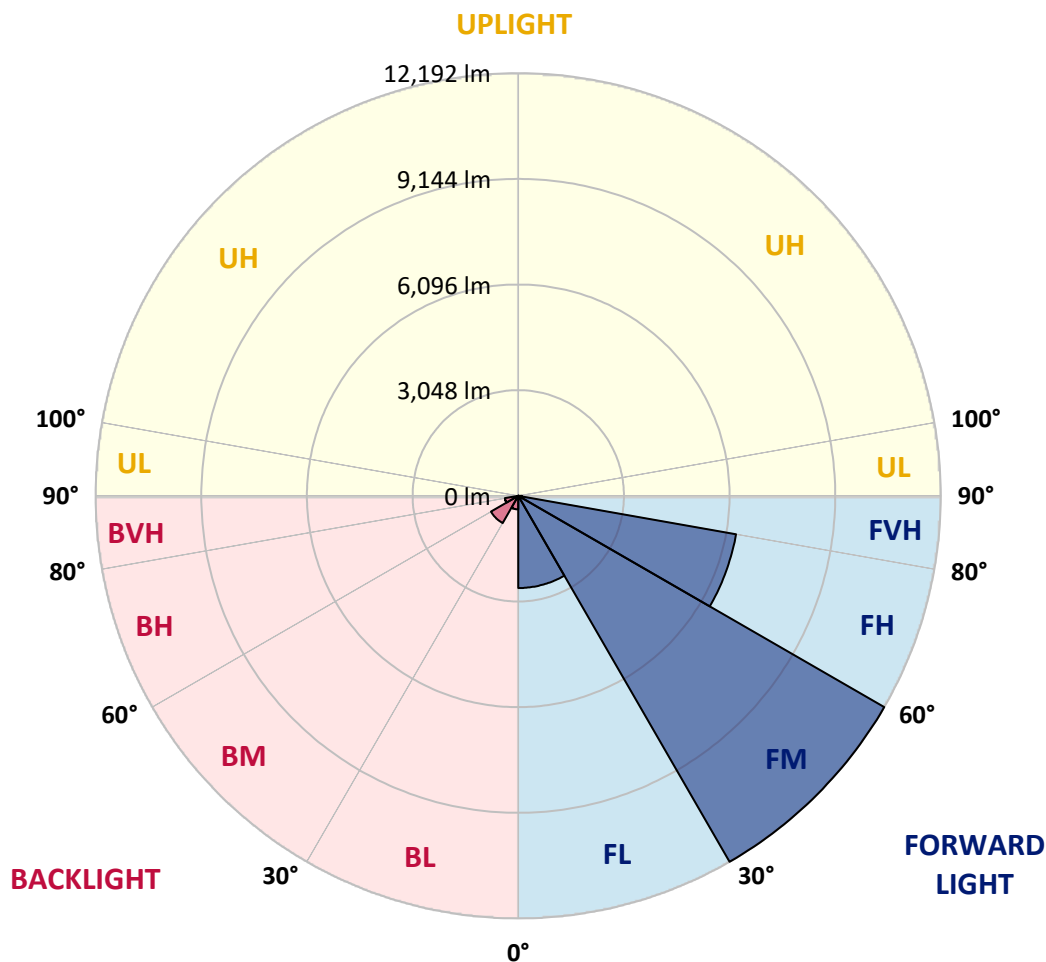
CATALOG NUMBER: GLAN-SB6A-730-U-T2R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2659.8  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 12192.0 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 6379.5  | 27.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 105.3   | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 392.3   | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 907.9   | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 392.3   | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.0     | 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-G3**

Type II Medium



REPORT NUMBER: P952025

CATALOG NUMBER: GLAN-SB6A-730-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  | 2655.8  |
| 2.5°  | 3676.9  | 3699.8  | 3666.9  | 3604.0  | 3509.6  | 3448.1  | 3298.0  | 3156.4  | 2999.1  | 2949.0  |
| 5°    | 4482.1  | 4502.2  | 4465.0  | 4396.3  | 4270.5  | 4150.3  | 3953.0  | 3656.9  | 3349.4  | 3250.8  |
| 7.5°  | 5078.5  | 5090.0  | 5075.6  | 5012.7  | 4892.6  | 4756.7  | 4536.5  | 4186.1  | 3729.9  | 3621.2  |
| 10°   | 5507.6  | 5544.7  | 5540.5  | 5516.1  | 5436.0  | 5325.9  | 5091.4  | 4692.4  | 4156.1  | 4015.9  |
| 12.5° | 5792.2  | 5833.6  | 5857.9  | 5912.3  | 5908.0  | 5837.9  | 5632.0  | 5210.1  | 4580.8  | 4416.3  |
| 15°   | 5875.1  | 5919.4  | 6012.4  | 6138.3  | 6249.8  | 6285.6  | 6141.1  | 5717.8  | 5048.5  | 4838.2  |
| 17.5° | 5827.9  | 5896.6  | 6008.1  | 6206.9  | 6451.5  | 6613.1  | 6597.3  | 6208.3  | 5473.2  | 5233.0  |
| 20°   | 5932.3  | 5998.1  | 6085.3  | 6252.7  | 6537.3  | 6830.5  | 6947.7  | 6677.4  | 5895.1  | 5643.4  |
| 22.5° | 6510.1  | 6498.7  | 6507.2  | 6534.4  | 6704.6  | 6994.9  | 7236.6  | 7103.6  | 6312.7  | 6055.3  |
| 25°   | 7425.4  | 7373.9  | 7286.7  | 7139.4  | 7096.5  | 7236.6  | 7488.3  | 7481.2  | 6753.2  | 6477.2  |
| 27.5° | 8475.1  | 8466.6  | 8262.1  | 7907.4  | 7707.1  | 7652.8  | 7772.9  | 7848.7  | 7189.4  | 6894.8  |
| 30°   | 9480.6  | 9503.4  | 9227.4  | 8832.7  | 8465.1  | 8252.0  | 8143.3  | 8197.7  | 7632.8  | 7345.3  |
| 32.5° | 10355.8 | 10380.1 | 10079.8 | 9617.8  | 9163.1  | 8905.6  | 8676.8  | 8542.4  | 8116.2  | 7803.0  |
| 35°   | 11095.2 | 11119.5 | 10774.8 | 10264.3 | 9779.5  | 9546.3  | 9287.5  | 8919.9  | 8602.4  | 8310.7  |
| 37.5° | 11755.9 | 11748.8 | 11286.8 | 10772.0 | 10295.7 | 10111.3 | 9975.4  | 9384.7  | 9103.0  | 8821.2  |
| 40°   | 12146.4 | 12176.4 | 11781.7 | 11213.9 | 10752.0 | 10617.5 | 10608.9 | 9961.1  | 9680.8  | 9407.6  |
| 42.5° | 12260.8 | 12313.7 | 12027.7 | 11561.4 | 11142.4 | 10996.5 | 11221.1 | 10584.6 | 10353.0 | 10086.9 |
| 45°   | 12054.8 | 12106.3 | 11976.2 | 11653.0 | 11408.4 | 11314.0 | 11747.4 | 11231.1 | 11070.9 | 10807.7 |
| 47.5° | 11454.2 | 11518.5 | 11550.0 | 11481.3 | 11478.5 | 11574.3 | 12219.3 | 11911.8 | 11923.3 | 11654.4 |
| 50°   | 10291.5 | 10400.1 | 10689.0 | 10932.2 | 11308.3 | 11780.3 | 12678.4 | 12649.8 | 12884.3 | 12652.7 |
| 52.5° | 8177.7  | 8332.1  | 9327.5  | 9992.5  | 10837.8 | 11741.6 | 13183.2 | 13834.0 | 14570.5 | 14231.6 |
| 55°   | 6571.6  | 6571.6  | 7381.1  | 8625.3  | 9919.6  | 11487.1 | 13403.5 | 14603.4 | 15718.9 | 15638.8 |
| 57.5° | 5357.4  | 5421.7  | 5938.0  | 7037.8  | 8591.0  | 10880.7 | 13539.4 | 15086.8 | 16644.2 | 16585.6 |
| 60°   | 3306.5  | 3445.3  | 4420.6  | 5506.1  | 7079.3  | 9800.9  | 13453.5 | 15575.9 | 17766.9 | 17814.1 |
| 62.5° | 1862.1  | 1913.6  | 2348.3  | 3961.6  | 5504.7  | 8349.3  | 12797.1 | 15849.1 | 19202.8 | 19403.0 |
| 65°   | 1285.7  | 1311.5  | 1478.8  | 2465.6  | 3815.7  | 6647.4  | 11514.2 | 15678.9 | 20641.5 | 21046.3 |
| 67.5° | 933.9   | 946.8   | 1051.2  | 1506.0  | 2263.9  | 4819.6  | 9503.4  | 14820.8 | 21403.8 | 22080.3 |
| 70°   | 717.9   | 726.5   | 802.3   | 989.7   | 1337.2  | 2974.7  | 6902.0  | 13114.6 | 20851.8 | 21659.8 |
| 72.5° | 583.5   | 592.1   | 650.7   | 732.2   | 886.7   | 1759.1  | 4183.2  | 10650.4 | 18414.8 | 19287.2 |
| 75°   | 492.0   | 503.4   | 556.3   | 609.2   | 695.1   | 1129.8  | 1962.2  | 7416.8  | 13848.3 | 14420.3 |
| 77.5° | 273.2   | 251.7   | 451.9   | 504.8   | 586.4   | 715.1   | 918.2   | 4364.9  | 7755.8  | 7914.5  |
| 80°   | 170.2   | 175.9   | 359.0   | 406.2   | 450.5   | 360.4   | 420.5   | 1680.4  | 2688.7  | 2554.3  |
| 82.5° | 10.0    | 22.9    | 276.0   | 293.2   | 308.9   | 154.5   | 158.7   | 570.6   | 647.9   | 594.9   |
| 85°   | 0.0     | 0.0     | 125.9   | 101.5   | 107.3   | 44.3    | 45.8    | 133.0   | 87.2    | 94.4    |
| 87.5° | 0.0     | 0.0     | 0.0     | 2.9     | 0.0     | 4.3     | 8.6     | 11.4    | 4.3     | 5.7     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952025

CATALOG NUMBER: GLAN-SB6A-730-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2655.8  | 0°    | 2655.8  | 2655.8 | 2655.8 | 2655.8 | 2655.8 | 2655.8 | 2655.8 | 2655.8 | 2655.8 | 2655.8 |
| 2791.7  | 2.5°  | 2691.6  | 2591.5 | 2388.4 | 2189.6 | 2028.0 | 1877.8 | 1770.5 | 1669.0 | 1617.5 | 1614.7 |
| 2971.9  | 5°    | 2773.1  | 2562.9 | 2156.7 | 1797.7 | 1508.8 | 1277.1 | 1127.0 | 1019.7 | 965.4  | 946.8  |
| 3193.6  | 7.5°  | 2887.5  | 2571.4 | 1953.6 | 1454.5 | 1114.1 | 915.3  | 829.5  | 795.2  | 783.7  | 770.9  |
| 3443.8  | 10°   | 3031.9  | 2591.5 | 1772.0 | 1171.3 | 878.1  | 778.0  | 743.7  | 729.4  | 720.8  | 712.2  |
| 3725.6  | 12.5° | 3193.6  | 2610.0 | 1591.8 | 972.5  | 772.3  | 720.8  | 696.5  | 679.3  | 667.9  | 657.9  |
| 4014.5  | 15°   | 3350.9  | 2621.5 | 1404.4 | 833.8  | 717.9  | 676.5  | 650.7  | 632.1  | 616.4  | 605.0  |
| 4297.6  | 17.5° | 3506.8  | 2637.2 | 1228.5 | 750.8  | 673.6  | 632.1  | 606.4  | 583.5  | 570.6  | 557.8  |
| 4595.1  | 20°   | 3679.8  | 2634.4 | 1062.6 | 692.2  | 629.3  | 587.8  | 560.6  | 539.2  | 526.3  | 512.0  |
| 4909.7  | 22.5° | 3840.0  | 2620.1 | 916.7  | 642.1  | 583.5  | 543.5  | 513.4  | 492.0  | 479.1  | 467.7  |
| 5231.5  | 25°   | 4024.5  | 2608.6 | 795.2  | 596.4  | 540.6  | 500.6  | 467.7  | 447.6  | 433.3  | 423.3  |
| 5554.8  | 27.5° | 4201.8  | 2591.5 | 706.5  | 554.9  | 499.1  | 460.5  | 429.0  | 406.2  | 393.3  | 386.1  |
| 5888.0  | 30°   | 4376.3  | 2587.2 | 673.6  | 514.9  | 461.9  | 423.3  | 391.9  | 370.4  | 360.4  | 357.5  |
| 6254.1  | 32.5° | 4586.5  | 2598.6 | 687.9  | 500.6  | 427.6  | 389.0  | 359.0  | 343.2  | 333.2  | 333.2  |
| 6661.7  | 35°   | 4811.1  | 2595.7 | 709.4  | 513.4  | 404.7  | 354.7  | 331.8  | 321.8  | 311.8  | 311.8  |
| 7113.6  | 37.5° | 5092.8  | 2600.0 | 726.5  | 534.9  | 396.2  | 326.1  | 313.2  | 300.3  | 294.6  | 294.6  |
| 7608.5  | 40°   | 5513.3  | 2741.6 | 717.9  | 553.5  | 393.3  | 306.1  | 280.3  | 276.0  | 271.7  | 271.7  |
| 8167.7  | 42.5° | 6028.1  | 3049.1 | 729.4  | 554.9  | 391.9  | 291.8  | 257.4  | 266.0  | 256.0  | 254.6  |
| 8798.4  | 45°   | 6591.6  | 3385.2 | 802.3  | 524.9  | 390.4  | 284.6  | 246.0  | 256.0  | 240.3  | 240.3  |
| 9529.2  | 47.5° | 7150.8  | 3718.4 | 876.7  | 482.0  | 386.1  | 283.2  | 236.0  | 230.3  | 226.0  | 227.4  |
| 10481.7 | 50°   | 7921.7  | 3990.2 | 905.3  | 423.3  | 376.1  | 280.3  | 217.4  | 218.8  | 216.0  | 218.8  |
| 11824.6 | 52.5° | 8761.2  | 4047.4 | 871.0  | 357.5  | 347.5  | 271.7  | 204.5  | 210.2  | 208.8  | 211.7  |
| 12769.9 | 55°   | 9284.6  | 3985.9 | 719.4  | 297.5  | 303.2  | 237.4  | 191.6  | 203.1  | 203.1  | 203.1  |
| 13693.8 | 57.5° | 9825.2  | 3724.1 | 510.6  | 241.7  | 251.7  | 194.5  | 180.2  | 195.9  | 194.5  | 193.1  |
| 14806.5 | 60°   | 10214.2 | 3300.8 | 336.1  | 198.8  | 200.2  | 160.2  | 167.3  | 184.5  | 183.1  | 175.9  |
| 15953.5 | 62.5° | 10504.5 | 2833.2 | 216.0  | 168.8  | 153.0  | 144.4  | 153.0  | 167.3  | 161.6  | 145.9  |
| 16926.0 | 65°   | 10471.7 | 2185.3 | 165.9  | 144.4  | 125.9  | 125.9  | 133.0  | 145.9  | 128.7  | 103.0  |
| 17111.9 | 67.5° | 9861.0  | 1478.8 | 137.3  | 121.6  | 105.8  | 104.4  | 110.1  | 121.6  | 110.1  | 87.2   |
| 16159.4 | 70°   | 8769.8  | 966.8  | 110.1  | 94.4   | 84.4   | 77.2   | 88.7   | 104.4  | 93.0   | 70.1   |
| 13756.7 | 72.5° | 7117.9  | 589.2  | 82.9   | 68.6   | 61.5   | 50.1   | 70.1   | 85.8   | 74.4   | 51.5   |
| 9566.4  | 75°   | 4605.1  | 300.3  | 57.2   | 44.3   | 32.9   | 30.0   | 51.5   | 64.4   | 51.5   | 31.5   |
| 4244.7  | 77.5° | 1762.0  | 125.9  | 31.5   | 20.0   | 17.2   | 14.3   | 28.6   | 38.6   | 21.5   | 7.2    |
| 822.3   | 80°   | 338.9   | 52.9   | 15.7   | 10.0   | 8.6    | 5.7    | 4.3    | 2.9    | 0.0    | 0.0    |
| 145.9   | 82.5° | 58.6    | 17.2   | 5.7    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 28.6    | 85°   | 20.0    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.0    | 87.5° | 7.2     | 0.0    | 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°   |
|--------|
| 2655.8 |
| 1611.8 |
| 943.9  |
| 768.0  |
| 709.4  |
| 655.0  |
| 603.5  |
| 556.3  |
| 510.6  |
| 466.2  |
| 421.9  |
| 386.1  |
| 356.1  |
| 333.2  |
| 311.8  |
| 294.6  |
| 271.7  |
| 253.1  |
| 240.3  |
| 227.4  |
| 218.8  |
| 211.7  |
| 203.1  |
| 193.1  |
| 175.9  |
| 143.0  |
| 100.1  |
| 84.4   |
| 67.2   |
| 48.6   |
| 27.2   |
| 5.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |