

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: P950670

Luminaire Tested: **GLAN-SB5A-760-U-AFL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950670  
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-SB5A-760-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 350mA 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: 20440 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 141.7  
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



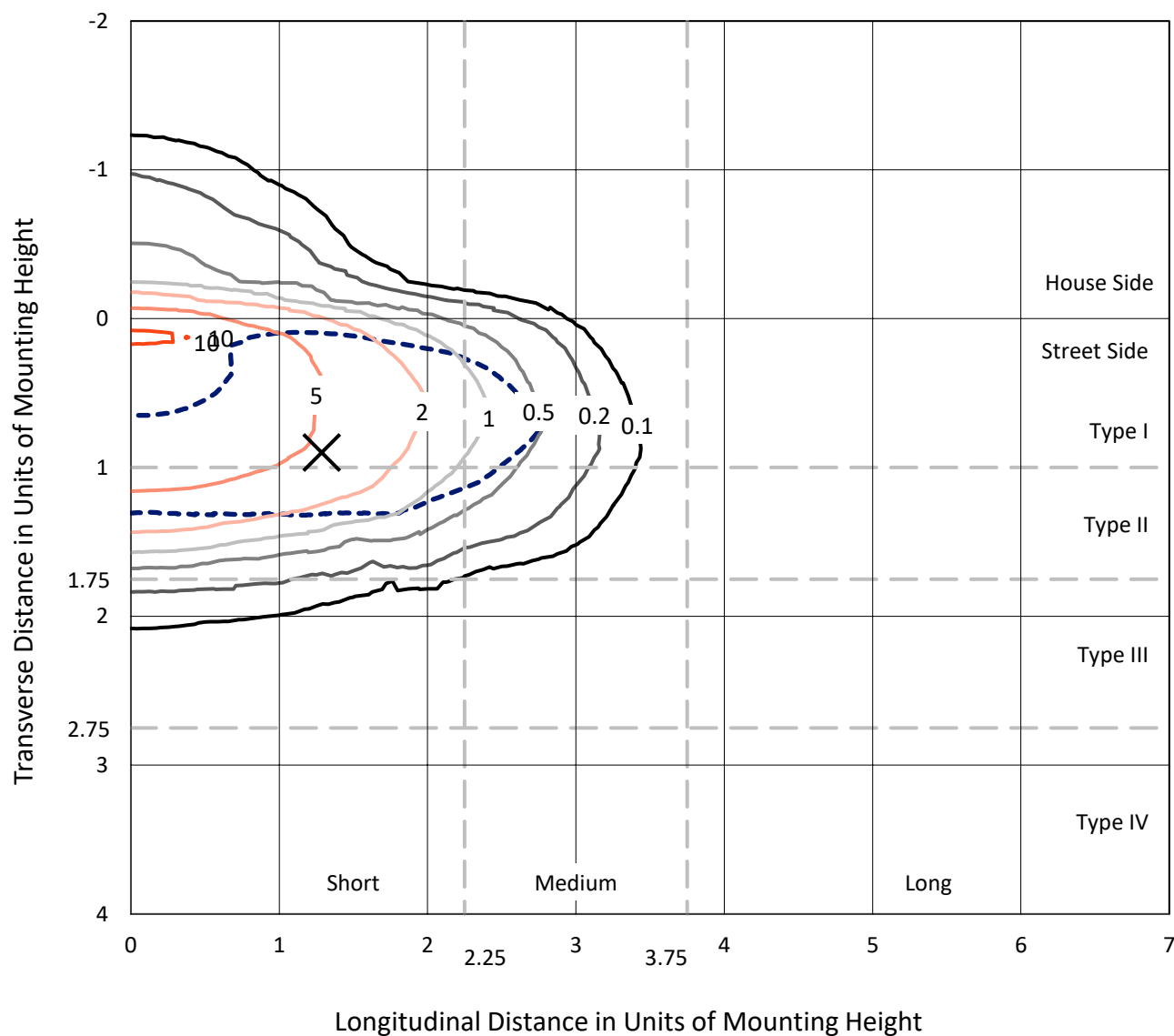
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CATALOG NUMBER: GLAN-SB5A-760-U-AFL-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

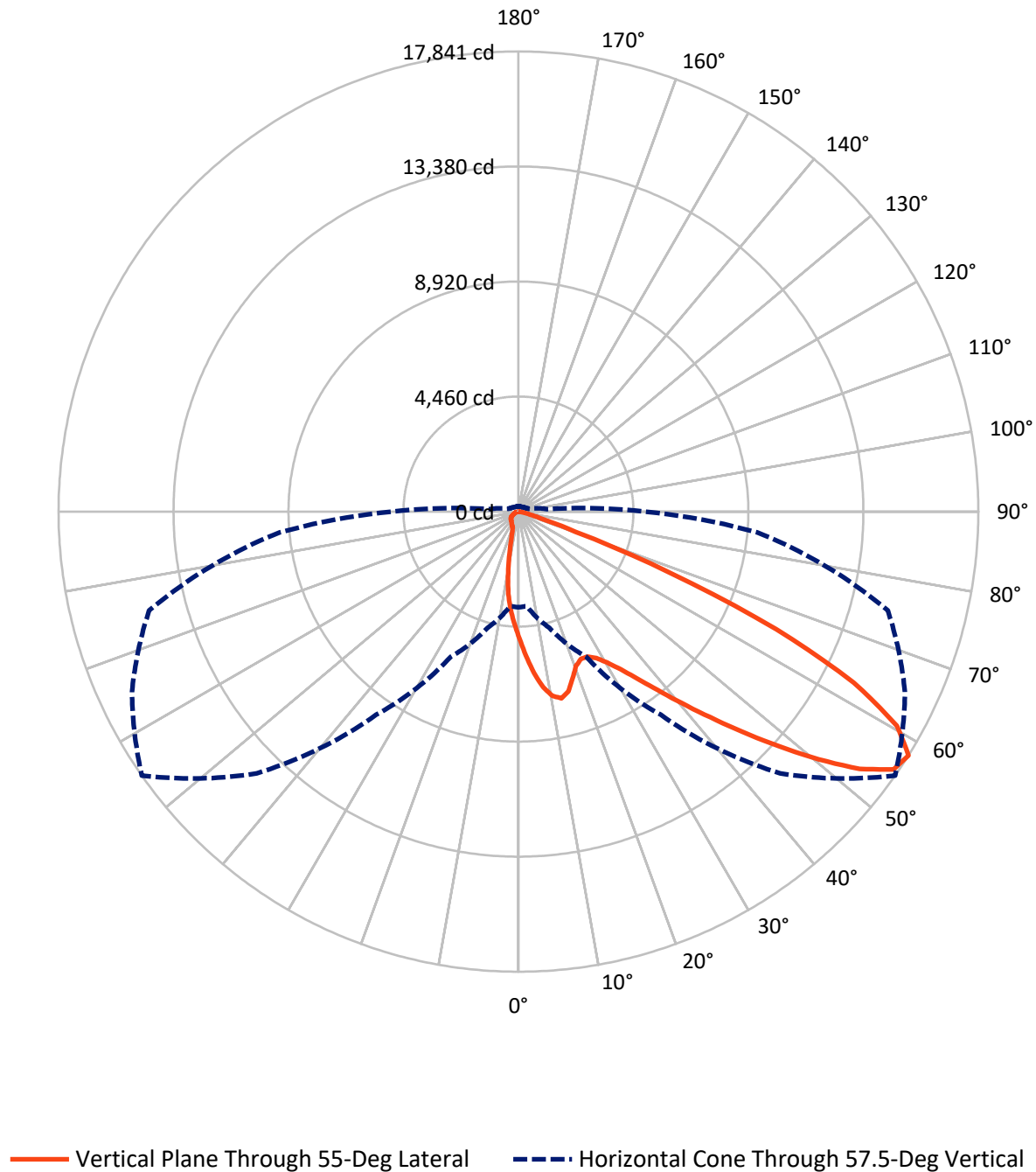


Based on 25 foot mounting height. Maximum calculated value = 11.3 fc

Type II - Short - N/A

REPORT NUMBER: P950670  
CATALOG NUMBER: GLAN-SB5A-760-U-AFL-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P950670

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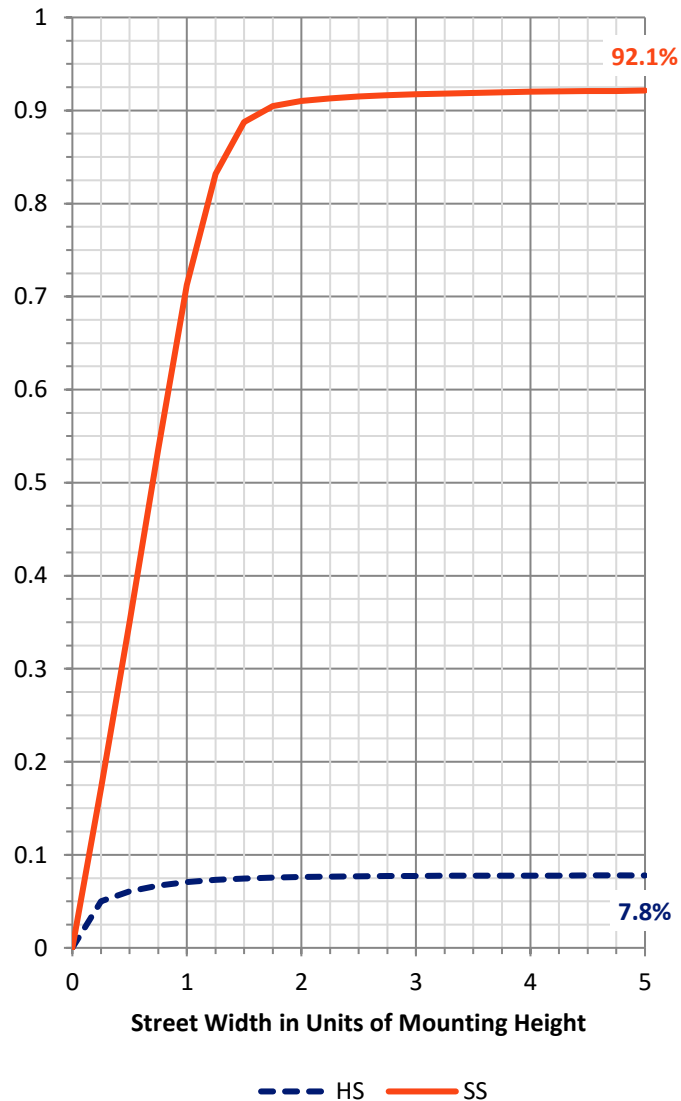
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1596.3   | 0.0    | 1596.3  |
|                    | % Fixture | 7.8      | 0.0    | 7.8     |
| <b>Street Side</b> | Lumens    | 18843.7  | 0.0    | 18843.7 |
|                    | % Fixture | 92.2     | 0.0    | 92.2    |
| <b>Total</b>       | Lumens    | 20440.0  | 0.0    | 20440.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 458.3   | 2.2       |
| 10°-20°   | 1107.0  | 5.4       |
| 20°-30°   | 1771.2  | 8.7       |
| 30°-40°   | 2997.9  | 14.7      |
| 40°-50°   | 4921.9  | 24.1      |
| 50°-60°   | 5409.5  | 26.5      |
| 60°-70°   | 3102.9  | 15.2      |
| 70°-80°   | 634.0   | 3.1       |
| 80°-90°   | 37.4    | 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°    | 20440.0 | 100.0     |
| 0°-180°   | 20440.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P950670

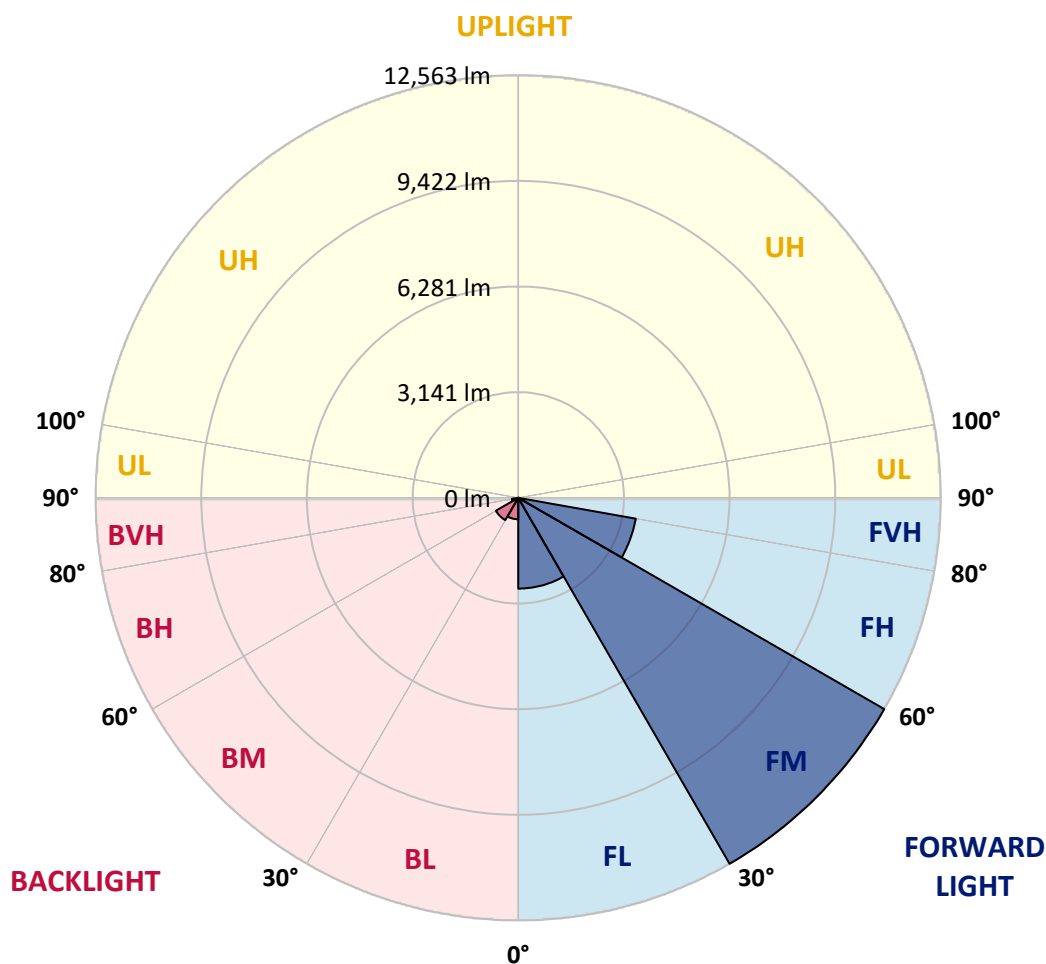
CATALOG NUMBER: GLAN-SB5A-760-U-AFL-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2699.2  | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 12562.6 | 61.5      |                         |      |         |
| FH   | (60°-80°)   | 3547.0  | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 34.9    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 637.3   | 3.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 766.6   | 3.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 189.8   | 0.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.5     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short



REPORT NUMBER: P950670

CATALOG NUMBER: GLAN-SB5A-760-U-AFL-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5  | 4925.5 |
| 2.5°  | 6111.5  | 6034.7  | 6023.3  | 6008.2  | 5862.0  | 5752.3  | 5593.5  | 5419.6  | 5224.2  | 5025.1 |
| 5°    | 7060.6  | 7000.1  | 6988.8  | 6918.2  | 6751.8  | 6565.3  | 6283.0  | 5926.3  | 5562.0  | 5133.5 |
| 7.5°  | 7244.6  | 7233.3  | 7285.0  | 7282.4  | 7259.7  | 7112.3  | 6874.1  | 6449.3  | 5902.3  | 5267.1 |
| 10°   | 6424.1  | 6453.1  | 6606.9  | 6741.7  | 7106.0  | 7317.7  | 7266.0  | 6915.7  | 6252.7  | 5419.6 |
| 12.5° | 5676.7  | 5642.7  | 5752.3  | 5904.8  | 6328.3  | 6958.5  | 7428.6  | 7305.1  | 6653.5  | 5592.3 |
| 15°   | 5207.9  | 5194.0  | 5255.8  | 5326.3  | 5649.0  | 6284.2  | 7239.6  | 7621.5  | 7039.2  | 5796.5 |
| 17.5° | 5057.9  | 5046.5  | 5065.4  | 5083.1  | 5292.3  | 5783.9  | 6789.6  | 7815.6  | 7408.5  | 6029.6 |
| 20°   | 5180.1  | 5165.0  | 5162.5  | 5148.6  | 5235.6  | 5570.8  | 6382.5  | 7829.4  | 7739.9  | 6241.4 |
| 22.5° | 5536.8  | 5519.2  | 5457.4  | 5402.0  | 5409.5  | 5599.8  | 6201.0  | 7690.8  | 7989.5  | 6439.2 |
| 25°   | 6183.4  | 6154.4  | 6025.8  | 5839.3  | 5720.8  | 5801.5  | 6228.8  | 7508.0  | 8227.7  | 6594.3 |
| 27.5° | 6992.5  | 6954.7  | 6789.6  | 6512.3  | 6241.4  | 6143.1  | 6429.2  | 7382.0  | 8425.6  | 6712.7 |
| 30°   | 7785.3  | 7736.2  | 7573.6  | 7358.1  | 6962.3  | 6652.2  | 6790.9  | 7437.5  | 8661.3  | 6836.3 |
| 32.5° | 8641.1  | 8594.5  | 8379.0  | 8111.8  | 7784.1  | 7366.9  | 7286.2  | 7708.4  | 8949.9  | 7008.9 |
| 35°   | 9723.8  | 9650.7  | 9344.4  | 8980.2  | 8632.3  | 8210.1  | 7956.7  | 8176.0  | 9334.3  | 7272.4 |
| 37.5° | 10956.4 | 10858.1 | 10527.9 | 10025.0 | 9571.3  | 9098.6  | 8773.5  | 8818.8  | 9897.7  | 7625.3 |
| 40°   | 12118.5 | 12029.0 | 11724.0 | 11250.1 | 10680.4 | 10106.9 | 9760.3  | 9659.5  | 10675.4 | 8055.0 |
| 42.5° | 12815.5 | 12734.8 | 12606.2 | 12405.8 | 11925.6 | 11340.8 | 10903.5 | 10685.4 | 11595.4 | 8569.3 |
| 45°   | 12854.5 | 12784.0 | 12956.6 | 13189.8 | 13095.3 | 12705.8 | 12172.7 | 11773.1 | 12519.3 | 9052.0 |
| 47.5° | 12229.4 | 12181.5 | 12705.8 | 13520.0 | 13925.9 | 14089.7 | 13598.2 | 12770.1 | 13281.8 | 9398.6 |
| 50°   | 10525.4 | 10507.7 | 11586.6 | 13081.4 | 14242.2 | 15302.2 | 15101.8 | 13697.7 | 13872.9 | 9577.6 |
| 52.5° | 9126.4  | 9062.1  | 9691.0  | 11677.4 | 13782.2 | 15939.9 | 16571.4 | 14607.7 | 14286.3 | 9611.6 |
| 55°   | 6922.0  | 6865.2  | 7654.2  | 9328.0  | 12298.7 | 15713.1 | 17646.5 | 15546.7 | 14582.5 | 9524.6 |
| 57.5° | 3713.1  | 3677.8  | 4674.7  | 6208.6  | 9614.1  | 14351.9 | 17840.6 | 16539.9 | 14832.1 | 9294.0 |
| 60°   | 1445.6  | 1439.3  | 1812.4  | 3012.3  | 5843.1  | 11676.1 | 16861.3 | 17136.0 | 14988.4 | 9010.4 |
| 62.5° | 874.7   | 893.6   | 954.1   | 1352.4  | 2581.2  | 7253.4  | 14603.9 | 16457.9 | 15093.0 | 8750.8 |
| 65°   | 723.5   | 724.7   | 732.3   | 928.9   | 1236.4  | 3035.0  | 10994.2 | 14227.1 | 14834.6 | 8288.2 |
| 67.5° | 620.1   | 631.4   | 660.4   | 737.3   | 872.2   | 1331.0  | 6329.6  | 11020.7 | 13262.9 | 7211.9 |
| 70°   | 489.0   | 504.1   | 540.7   | 606.2   | 673.0   | 833.1   | 2339.3  | 7332.8  | 10132.1 | 5436.0 |
| 72.5° | 412.1   | 410.9   | 429.8   | 492.8   | 534.4   | 586.1   | 899.9   | 4108.8  | 5888.5  | 2595.1 |
| 75°   | 318.9   | 331.5   | 355.4   | 412.1   | 437.3   | 424.7   | 487.8   | 1501.1  | 2109.9  | 786.5  |
| 77.5° | 249.6   | 259.6   | 281.1   | 336.5   | 361.7   | 301.2   | 281.1   | 536.9   | 678.1   | 282.3  |
| 80°   | 112.2   | 121.0   | 191.6   | 248.3   | 294.9   | 208.0   | 152.5   | 274.8   | 301.2   | 128.6  |
| 82.5° | 20.2    | 34.0    | 112.2   | 131.1   | 151.2   | 134.9   | 79.4    | 142.4   | 147.5   | 51.7   |
| 85°   | 1.3     | 2.5     | 39.1    | 47.9    | 60.5    | 44.1    | 23.9    | 56.7    | 49.2    | 17.6   |
| 87.5° | 0.0     | 0.0     | 0.0     | 1.3     | 1.3     | 6.3     | 7.6     | 10.1    | 7.6     | 6.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |

REPORT NUMBER: P950670

CATALOG NUMBER: GLAN-SB5A-760-U-AFL-HSS

**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4925.5 | 0°    | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 | 4925.5 |
| 4936.9 | 2.5°  | 4846.1 | 4667.2 | 4493.2 | 4350.8 | 4267.6 | 4126.5 | 4033.2 | 4018.1 | 3979.0 | 4013.0 |
| 4949.5 | 5°    | 4752.9 | 4432.7 | 4108.8 | 3818.9 | 3580.7 | 3273.2 | 3043.8 | 2946.8 | 2862.3 | 2891.3 |
| 4982.3 | 7.5°  | 4708.8 | 4203.3 | 3699.2 | 3203.9 | 2694.7 | 2203.1 | 1837.6 | 1685.1 | 1569.2 | 1585.5 |
| 5018.8 | 10°   | 4649.5 | 3965.1 | 3174.9 | 2418.7 | 1736.8 | 1251.6 | 999.5  | 906.2  | 854.5  | 855.8  |
| 5073.0 | 12.5° | 4604.1 | 3680.3 | 2566.1 | 1639.7 | 1057.5 | 799.1  | 720.9  | 698.2  | 683.1  | 684.4  |
| 5154.9 | 15°   | 4581.5 | 3345.0 | 1964.9 | 1092.7 | 756.2  | 676.8  | 657.9  | 647.8  | 637.7  | 636.5  |
| 5245.7 | 17.5° | 4543.6 | 2972.0 | 1438.1 | 797.8  | 661.7  | 634.0  | 617.6  | 606.2  | 593.6  | 591.1  |
| 5323.8 | 20°   | 4486.9 | 2548.5 | 1051.2 | 674.3  | 620.1  | 598.7  | 576.0  | 560.9  | 545.7  | 543.2  |
| 5373.0 | 22.5° | 4382.3 | 2101.0 | 807.9  | 623.9  | 589.9  | 565.9  | 538.2  | 520.5  | 505.4  | 502.9  |
| 5349.0 | 25°   | 4188.2 | 1681.3 | 680.6  | 592.4  | 563.4  | 534.4  | 504.1  | 480.2  | 466.3  | 463.8  |
| 5297.3 | 27.5° | 3942.4 | 1320.9 | 617.6  | 563.4  | 529.4  | 502.9  | 468.9  | 446.2  | 433.6  | 431.0  |
| 5229.3 | 30°   | 3652.6 | 1017.1 | 581.0  | 530.6  | 489.0  | 466.3  | 436.1  | 417.2  | 409.6  | 409.6  |
| 5181.4 | 32.5° | 3340.0 | 812.9  | 565.9  | 497.8  | 453.7  | 428.5  | 404.6  | 397.0  | 394.5  | 393.2  |
| 5207.9 | 35°   | 3046.3 | 705.8  | 558.3  | 471.4  | 422.2  | 398.3  | 388.2  | 389.5  | 394.5  | 394.5  |
| 5289.8 | 37.5° | 2785.4 | 671.8  | 554.6  | 452.5  | 394.5  | 373.1  | 379.4  | 390.7  | 385.7  | 385.7  |
| 5433.5 | 40°   | 2549.7 | 675.6  | 552.0  | 438.6  | 371.8  | 359.2  | 371.8  | 363.0  | 350.4  | 349.1  |
| 5608.7 | 42.5° | 2369.5 | 707.1  | 547.0  | 427.3  | 357.9  | 349.1  | 344.1  | 330.2  | 329.0  | 331.5  |
| 5790.2 | 45°   | 2238.4 | 734.8  | 545.7  | 422.2  | 342.8  | 326.4  | 320.1  | 306.3  | 331.5  | 337.8  |
| 5864.5 | 47.5° | 2083.4 | 734.8  | 545.7  | 404.6  | 317.6  | 311.3  | 301.2  | 286.1  | 311.3  | 317.6  |
| 5793.9 | 50°   | 1883.0 | 688.2  | 524.3  | 384.4  | 297.4  | 293.7  | 276.0  | 257.1  | 252.1  | 255.9  |
| 5628.8 | 52.5° | 1629.7 | 603.7  | 470.1  | 356.7  | 277.3  | 269.7  | 248.3  | 234.4  | 230.6  | 230.6  |
| 5332.6 | 55°   | 1341.0 | 505.4  | 397.0  | 316.4  | 255.9  | 242.0  | 226.9  | 220.6  | 216.8  | 214.3  |
| 4918.0 | 57.5° | 1090.2 | 414.7  | 318.9  | 281.1  | 235.7  | 218.0  | 213.0  | 205.4  | 199.1  | 195.4  |
| 4571.4 | 60°   | 894.9  | 326.4  | 263.4  | 249.6  | 215.5  | 199.1  | 197.9  | 187.8  | 171.4  | 168.9  |
| 4285.3 | 62.5° | 690.7  | 239.5  | 221.8  | 216.8  | 195.4  | 181.5  | 179.0  | 158.8  | 133.6  | 128.6  |
| 3879.4 | 65°   | 487.8  | 186.5  | 179.0  | 190.3  | 173.9  | 161.3  | 155.0  | 124.8  | 98.3   | 94.5   |
| 3246.7 | 67.5° | 342.8  | 156.3  | 141.2  | 166.4  | 151.2  | 134.9  | 131.1  | 105.9  | 81.9   | 79.4   |
| 2455.2 | 70°   | 244.5  | 127.3  | 116.0  | 142.4  | 121.0  | 118.5  | 110.9  | 88.2   | 66.8   | 64.3   |
| 1215.0 | 72.5° | 172.7  | 97.0   | 89.5   | 123.5  | 83.2   | 102.1  | 90.7   | 68.1   | 50.4   | 47.9   |
| 413.4  | 75°   | 127.3  | 69.3   | 63.0   | 71.8   | 60.5   | 76.9   | 64.3   | 45.4   | 31.5   | 30.2   |
| 186.5  | 77.5° | 93.3   | 44.1   | 37.8   | 35.3   | 35.3   | 47.9   | 35.3   | 18.9   | 13.9   | 12.6   |
| 94.5   | 80°   | 65.5   | 20.2   | 17.6   | 15.1   | 13.9   | 11.3   | 5.0    | 2.5    | 1.3    | 1.3    |
| 32.8   | 82.5° | 39.1   | 8.8    | 8.8    | 6.3    | 3.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 12.6   | 85°   | 8.8    | 3.8    | 3.8    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 5.0    | 87.5° | 1.3    | 1.3    | 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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