

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: P946754

Luminaire Tested: **GLAN-SB2B-760-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946754  
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-SB2B-760-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

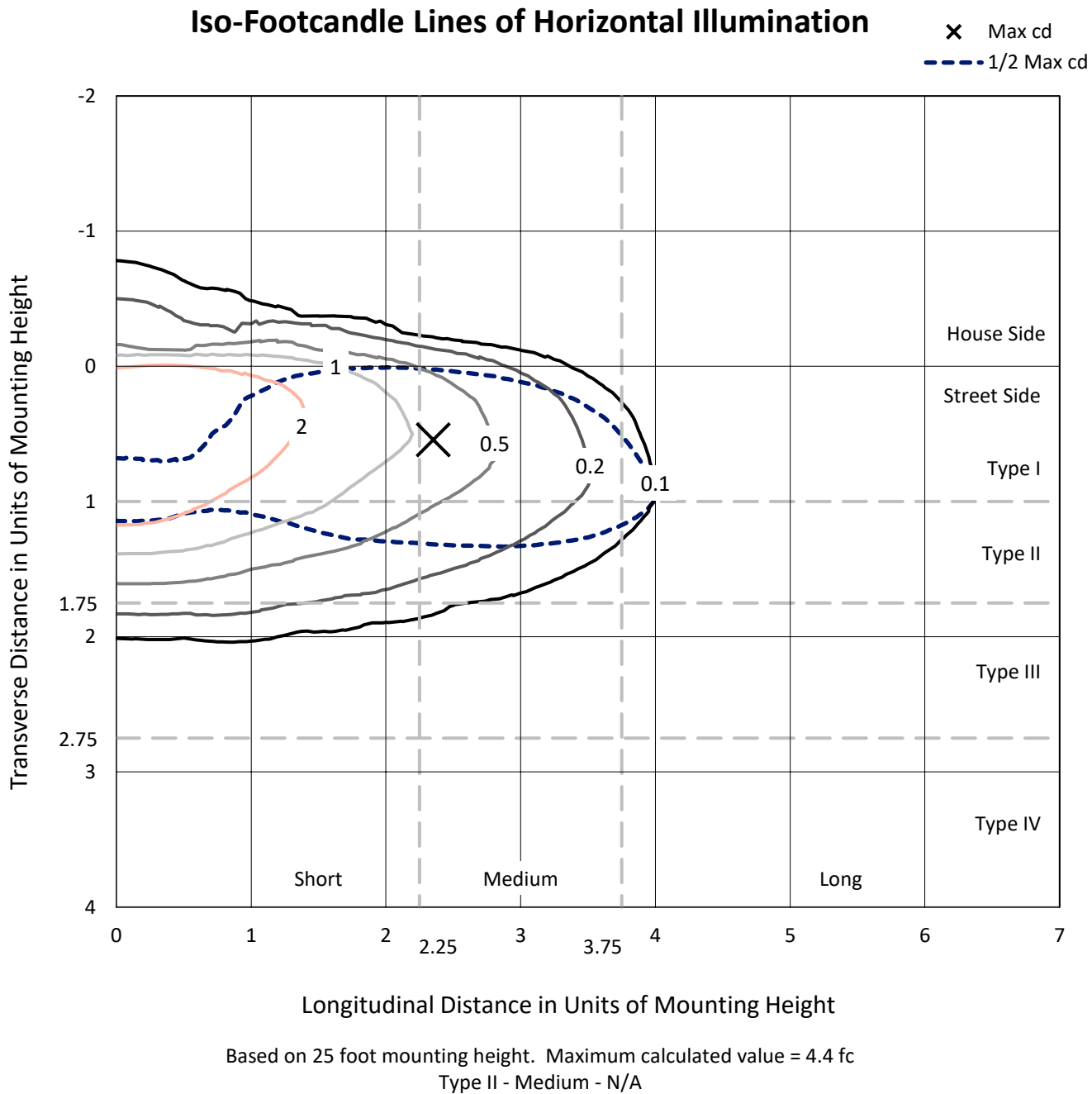
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 10087 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9  
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

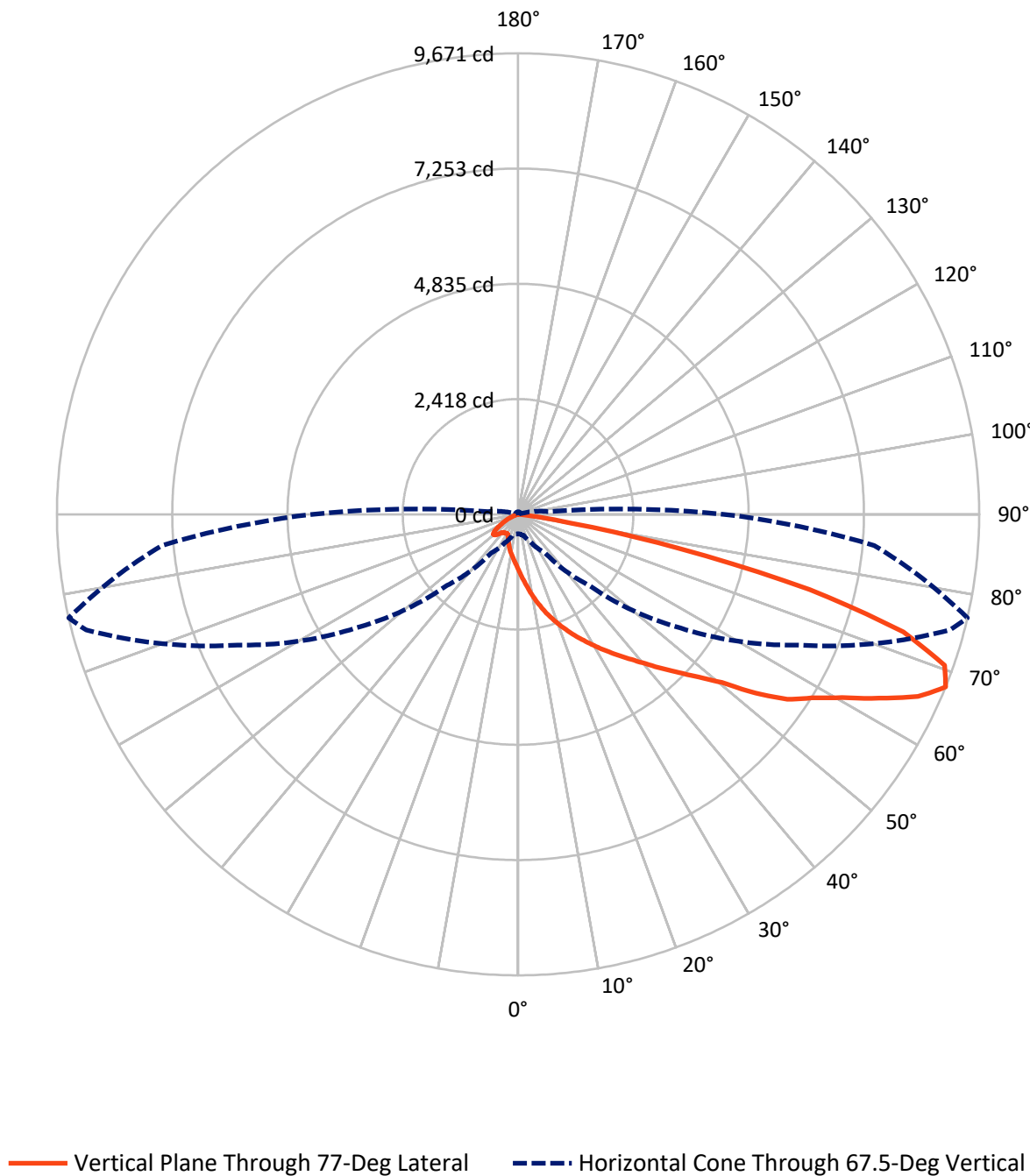


REPORT NUMBER: P946754  
CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS



REPORT NUMBER: P946754  
CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P946754

CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 742.1    | 0.0    | 742.1   |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 9344.9   | 0.0    | 9344.9  |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 10087.0  | 0.0    | 10087.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 118.7   | 1.2       |
| 10°-20°   | 415.7   | 4.1       |
| 20°-30°   | 802.3   | 8.0       |
| 30°-40°   | 1392.8  | 13.8      |
| 40°-50°   | 2022.3  | 20.0      |
| 50°-60°   | 2322.3  | 23.0      |
| 60°-70°   | 2016.2  | 20.0      |
| 70°-80°   | 949.7   | 9.4       |
| 80°-90°   | 47.0    | 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°    | 10087.0 | 100.0     |
| 0°-180°   | 10087.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P946754

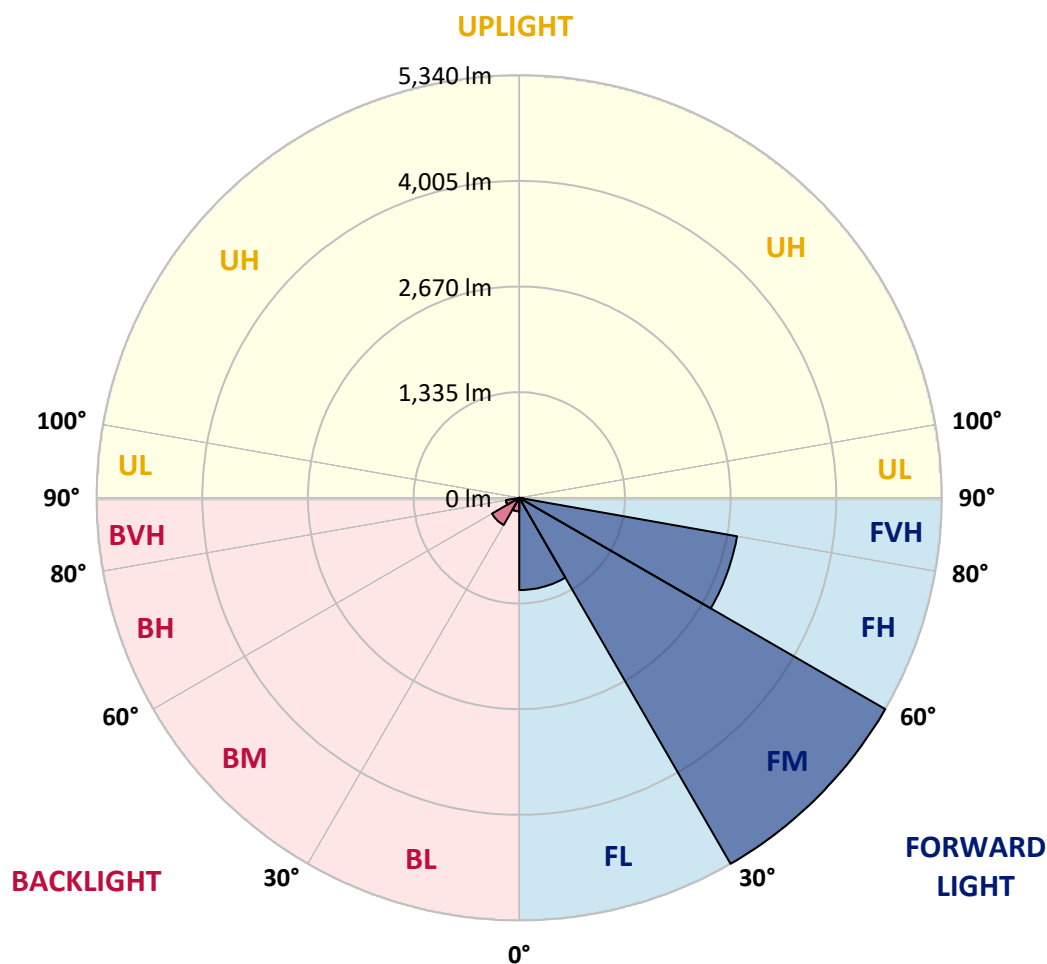
CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1164.9 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 5339.8 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 2794.1 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 46.1   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 171.8  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 397.6  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 171.8  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.9    | 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-G2**

Type II Medium



REPORT NUMBER: P946754

CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 2.5°  | 1610.4 | 1620.4 | 1606.0 | 1578.5 | 1537.1 | 1510.2 | 1444.4 | 1382.4 | 1313.5 | 1291.6 |
| 5°    | 1963.1 | 1971.8 | 1955.5 | 1925.5 | 1870.4 | 1817.7 | 1731.3 | 1601.6 | 1467.0 | 1423.8 |
| 7.5°  | 2224.3 | 2229.3 | 2223.0 | 2195.4 | 2142.8 | 2083.3 | 1986.9 | 1833.4 | 1633.6 | 1586.0 |
| 10°   | 2412.2 | 2428.5 | 2426.6 | 2415.9 | 2380.9 | 2332.6 | 2229.9 | 2055.1 | 1820.2 | 1758.9 |
| 12.5° | 2536.8 | 2555.0 | 2565.6 | 2589.4 | 2587.6 | 2556.9 | 2466.7 | 2281.9 | 2006.3 | 1934.2 |
| 15°   | 2573.2 | 2592.6 | 2633.3 | 2688.4 | 2737.3 | 2752.9 | 2689.7 | 2504.2 | 2211.1 | 2119.0 |
| 17.5° | 2552.5 | 2582.5 | 2631.4 | 2718.5 | 2825.6 | 2896.4 | 2889.5 | 2719.1 | 2397.1 | 2291.9 |
| 20°   | 2598.2 | 2627.0 | 2665.2 | 2738.5 | 2863.2 | 2991.6 | 3042.9 | 2924.5 | 2581.9 | 2471.7 |
| 22.5° | 2851.3 | 2846.3 | 2850.0 | 2861.9 | 2936.4 | 3063.6 | 3169.5 | 3111.2 | 2764.8 | 2652.1 |
| 25°   | 3252.1 | 3229.6 | 3191.4 | 3126.9 | 3108.1 | 3169.5 | 3279.7 | 3276.6 | 2957.7 | 2836.9 |
| 27.5° | 3711.9 | 3708.1 | 3618.6 | 3463.2 | 3375.5 | 3351.7 | 3404.4 | 3437.5 | 3148.8 | 3019.8 |
| 30°   | 4152.2 | 4162.3 | 4041.4 | 3868.5 | 3707.5 | 3614.2 | 3566.6 | 3590.4 | 3343.0 | 3217.1 |
| 32.5° | 4535.6 | 4546.2 | 4414.7 | 4212.4 | 4013.2 | 3900.4 | 3800.2 | 3741.3 | 3554.7 | 3417.5 |
| 35°   | 4859.4 | 4870.1 | 4719.1 | 4495.5 | 4283.2 | 4181.1 | 4067.7 | 3906.7 | 3767.6 | 3639.9 |
| 37.5° | 5148.8 | 5145.7 | 4943.4 | 4717.9 | 4509.3 | 4428.5 | 4369.0 | 4110.3 | 3986.9 | 3863.5 |
| 40°   | 5319.8 | 5333.0 | 5160.1 | 4911.4 | 4709.1 | 4650.2 | 4646.5 | 4362.7 | 4239.9 | 4120.3 |
| 42.5° | 5369.9 | 5393.1 | 5267.8 | 5063.6 | 4880.1 | 4816.2 | 4914.5 | 4635.8 | 4534.3 | 4417.8 |
| 45°   | 5279.7 | 5302.3 | 5245.3 | 5103.7 | 4996.6 | 4955.3 | 5145.0 | 4918.9 | 4848.8 | 4733.5 |
| 47.5° | 5016.6 | 5044.8 | 5058.6 | 5028.5 | 5027.3 | 5069.3 | 5351.8 | 5217.1 | 5222.1 | 5104.3 |
| 50°   | 4507.4 | 4555.0 | 4681.5 | 4788.0 | 4952.8 | 5159.5 | 5552.8 | 5540.3 | 5643.0 | 5541.5 |
| 52.5° | 3581.6 | 3649.3 | 4085.2 | 4376.5 | 4746.7 | 5142.5 | 5773.9 | 6058.9 | 6381.5 | 6233.1 |
| 55°   | 2878.2 | 2878.2 | 3232.7 | 3777.7 | 4344.5 | 5031.0 | 5870.4 | 6395.9 | 6884.5 | 6849.4 |
| 57.5° | 2346.4 | 2374.6 | 2600.7 | 3082.4 | 3762.6 | 4765.5 | 5929.9 | 6607.6 | 7289.8 | 7264.1 |
| 60°   | 1448.2 | 1508.9 | 1936.1 | 2411.5 | 3100.6 | 4292.6 | 5892.3 | 6821.9 | 7781.5 | 7802.1 |
| 62.5° | 815.5  | 838.1  | 1028.5 | 1735.1 | 2410.9 | 3656.8 | 5604.8 | 6941.5 | 8410.3 | 8498.0 |
| 65°   | 563.1  | 574.4  | 647.7  | 1079.9 | 1671.2 | 2911.4 | 5042.9 | 6867.0 | 9040.5 | 9217.7 |
| 67.5° | 409.0  | 414.7  | 460.4  | 659.6  | 991.6  | 2110.9 | 4162.3 | 6491.1 | 9374.3 | 9670.6 |
| 70°   | 314.4  | 318.2  | 351.4  | 433.5  | 585.7  | 1302.9 | 3022.9 | 5743.9 | 9132.6 | 9486.5 |
| 72.5° | 255.6  | 259.3  | 285.0  | 320.7  | 388.4  | 770.4  | 1832.1 | 4664.6 | 8065.2 | 8447.3 |
| 75°   | 215.5  | 220.5  | 243.7  | 266.8  | 304.4  | 494.8  | 859.4  | 3248.4 | 6065.2 | 6315.7 |
| 77.5° | 119.6  | 110.2  | 197.9  | 221.1  | 256.8  | 313.2  | 402.1  | 1911.7 | 3396.8 | 3466.4 |
| 80°   | 74.5   | 77.0   | 157.2  | 177.9  | 197.3  | 157.8  | 184.2  | 736.0  | 1177.6 | 1118.7 |
| 82.5° | 4.4    | 10.0   | 120.9  | 128.4  | 135.3  | 67.6   | 69.5   | 249.9  | 283.7  | 260.6  |
| 85°   | 0.0    | 0.0    | 55.1   | 44.5   | 47.0   | 19.4   | 20.0   | 58.3   | 38.2   | 41.3   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.3    | 0.0    | 1.9    | 3.8    | 5.0    | 1.9    | 2.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P946754

CATALOG NUMBER: GLAN-SB2B-760-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1163.2 | 0°    | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 1222.7 | 2.5°  | 1178.8 | 1135.0 | 1046.0 | 959.0  | 888.2  | 822.4  | 775.5  | 731.0  | 708.4  | 707.2  |
| 1301.6 | 5°    | 1214.5 | 1122.5 | 944.6  | 787.4  | 660.8  | 559.4  | 493.6  | 446.6  | 422.8  | 414.7  |
| 1398.7 | 7.5°  | 1264.7 | 1126.2 | 855.6  | 637.0  | 487.9  | 400.9  | 363.3  | 348.3  | 343.3  | 337.6  |
| 1508.3 | 10°   | 1327.9 | 1135.0 | 776.1  | 513.0  | 384.6  | 340.7  | 325.7  | 319.5  | 315.7  | 311.9  |
| 1631.7 | 12.5° | 1398.7 | 1143.1 | 697.2  | 425.9  | 338.2  | 315.7  | 305.0  | 297.5  | 292.5  | 288.1  |
| 1758.2 | 15°   | 1467.6 | 1148.1 | 615.1  | 365.2  | 314.4  | 296.3  | 285.0  | 276.9  | 270.0  | 265.0  |
| 1882.3 | 17.5° | 1535.9 | 1155.0 | 538.1  | 328.8  | 295.0  | 276.9  | 265.6  | 255.6  | 249.9  | 244.3  |
| 2012.5 | 20°   | 1611.7 | 1153.8 | 465.4  | 303.2  | 275.6  | 257.4  | 245.5  | 236.1  | 230.5  | 224.2  |
| 2150.3 | 22.5° | 1681.8 | 1147.5 | 401.5  | 281.2  | 255.6  | 238.0  | 224.9  | 215.5  | 209.8  | 204.8  |
| 2291.3 | 25°   | 1762.6 | 1142.5 | 348.3  | 261.2  | 236.8  | 219.2  | 204.8  | 196.1  | 189.8  | 185.4  |
| 2432.8 | 27.5° | 1840.3 | 1135.0 | 309.4  | 243.0  | 218.6  | 201.7  | 187.9  | 177.9  | 172.3  | 169.1  |
| 2578.8 | 30°   | 1916.7 | 1133.1 | 295.0  | 225.5  | 202.3  | 185.4  | 171.6  | 162.2  | 157.8  | 156.6  |
| 2739.1 | 32.5° | 2008.8 | 1138.1 | 301.3  | 219.2  | 187.3  | 170.4  | 157.2  | 150.3  | 145.9  | 145.9  |
| 2917.7 | 35°   | 2107.1 | 1136.9 | 310.7  | 224.9  | 177.3  | 155.3  | 145.3  | 140.9  | 136.5  | 136.5  |
| 3115.6 | 37.5° | 2230.5 | 1138.8 | 318.2  | 234.3  | 173.5  | 142.8  | 137.2  | 131.5  | 129.0  | 129.0  |
| 3332.3 | 40°   | 2414.7 | 1200.8 | 314.4  | 242.4  | 172.3  | 134.0  | 122.8  | 120.9  | 119.0  | 119.0  |
| 3577.2 | 42.5° | 2640.2 | 1335.4 | 319.5  | 243.0  | 171.6  | 127.8  | 112.7  | 116.5  | 112.1  | 111.5  |
| 3853.5 | 45°   | 2887.0 | 1482.6 | 351.4  | 229.9  | 171.0  | 124.6  | 107.7  | 112.1  | 105.2  | 105.2  |
| 4173.5 | 47.5° | 3131.9 | 1628.6 | 384.0  | 211.1  | 169.1  | 124.0  | 103.4  | 100.8  | 99.0   | 99.6   |
| 4590.7 | 50°   | 3469.5 | 1747.6 | 396.5  | 185.4  | 164.7  | 122.8  | 95.2   | 95.8   | 94.6   | 95.8   |
| 5178.9 | 52.5° | 3837.2 | 1772.6 | 381.5  | 156.6  | 152.2  | 119.0  | 89.6   | 92.1   | 91.5   | 92.7   |
| 5592.9 | 55°   | 4066.4 | 1745.7 | 315.1  | 130.3  | 132.8  | 104.0  | 83.9   | 88.9   | 88.9   | 88.9   |
| 5997.5 | 57.5° | 4303.2 | 1631.1 | 223.6  | 105.9  | 110.2  | 85.2   | 78.9   | 85.8   | 85.2   | 84.6   |
| 6484.9 | 60°   | 4473.6 | 1445.7 | 147.2  | 87.1   | 87.7   | 70.2   | 73.3   | 80.8   | 80.2   | 77.0   |
| 6987.2 | 62.5° | 4600.7 | 1240.8 | 94.6   | 73.9   | 67.0   | 63.3   | 67.0   | 73.3   | 70.8   | 63.9   |
| 7413.2 | 65°   | 4586.3 | 957.1  | 72.7   | 63.3   | 55.1   | 55.1   | 58.3   | 63.9   | 56.4   | 45.1   |
| 7494.6 | 67.5° | 4318.9 | 647.7  | 60.1   | 53.2   | 46.4   | 45.7   | 48.2   | 53.2   | 48.2   | 38.2   |
| 7077.4 | 70°   | 3840.9 | 423.4  | 48.2   | 41.3   | 37.0   | 33.8   | 38.8   | 45.7   | 40.7   | 30.7   |
| 6025.1 | 72.5° | 3117.5 | 258.1  | 36.3   | 30.1   | 26.9   | 21.9   | 30.7   | 37.6   | 32.6   | 22.5   |
| 4189.8 | 75°   | 2016.9 | 131.5  | 25.1   | 19.4   | 14.4   | 13.2   | 22.5   | 28.2   | 22.5   | 13.8   |
| 1859.1 | 77.5° | 771.7  | 55.1   | 13.8   | 8.8    | 7.5    | 6.3    | 12.5   | 16.9   | 9.4    | 3.1    |
| 360.2  | 80°   | 148.5  | 23.2   | 6.9    | 4.4    | 3.8    | 2.5    | 1.9    | 1.3    | 0.0    | 0.0    |
| 63.9   | 82.5° | 25.7   | 7.5    | 2.5    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 12.5   | 85°   | 8.8    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 4.4    | 87.5° | 3.1    | 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    |

(END O

| 180°   |
|--------|
| 1163.2 |
| 705.9  |
| 413.4  |
| 336.4  |
| 310.7  |
| 286.9  |
| 264.3  |
| 243.7  |
| 223.6  |
| 204.2  |
| 184.8  |
| 169.1  |
| 156.0  |
| 145.9  |
| 136.5  |
| 129.0  |
| 119.0  |
| 110.9  |
| 105.2  |
| 99.6   |
| 95.8   |
| 92.7   |
| 88.9   |
| 84.6   |
| 77.0   |
| 62.6   |
| 43.8   |
| 37.0   |
| 29.4   |
| 21.3   |
| 11.9   |
| 2.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |