

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: P849117

Luminaire Tested: **GLAN-SB6A-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20608 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

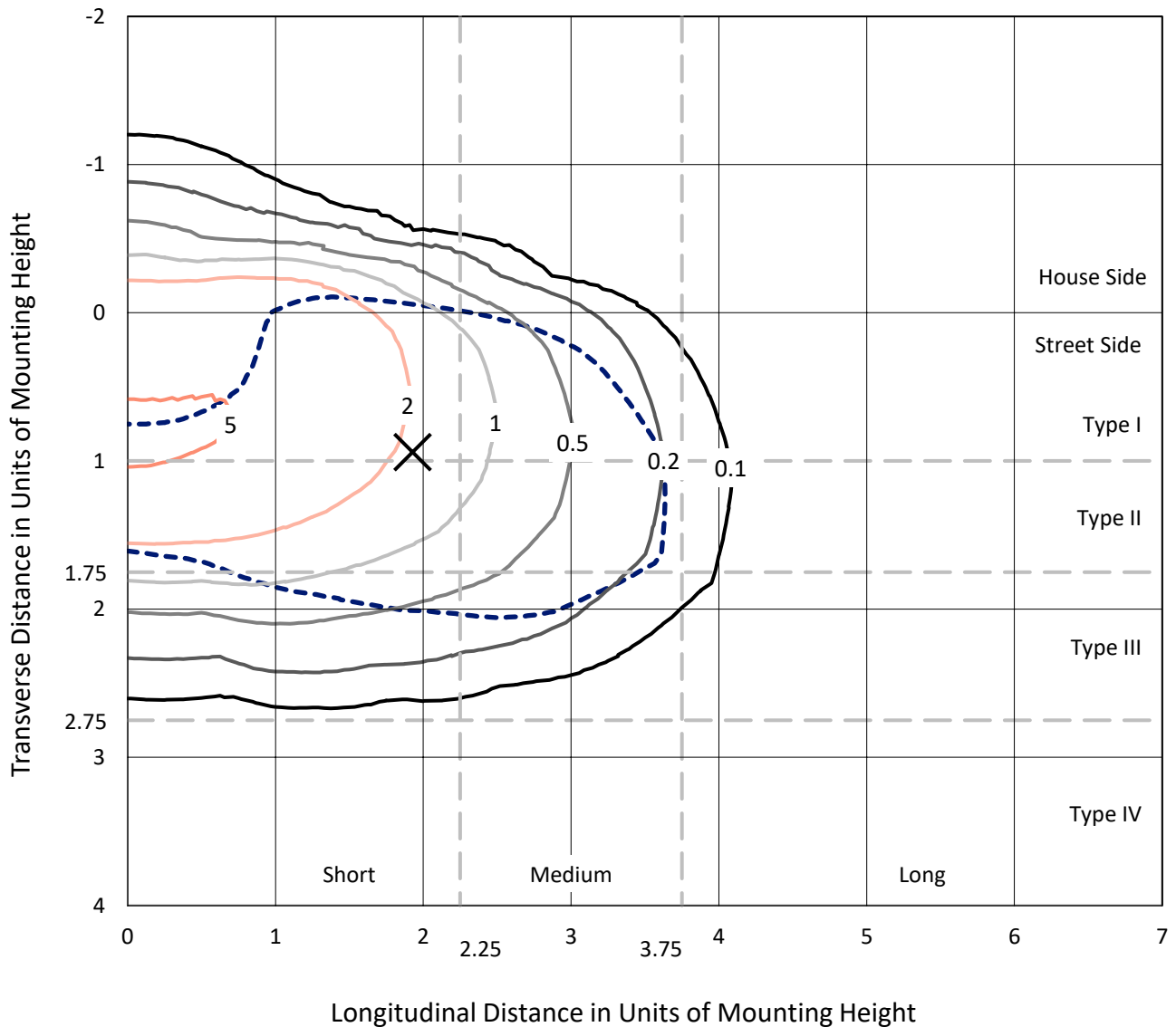
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

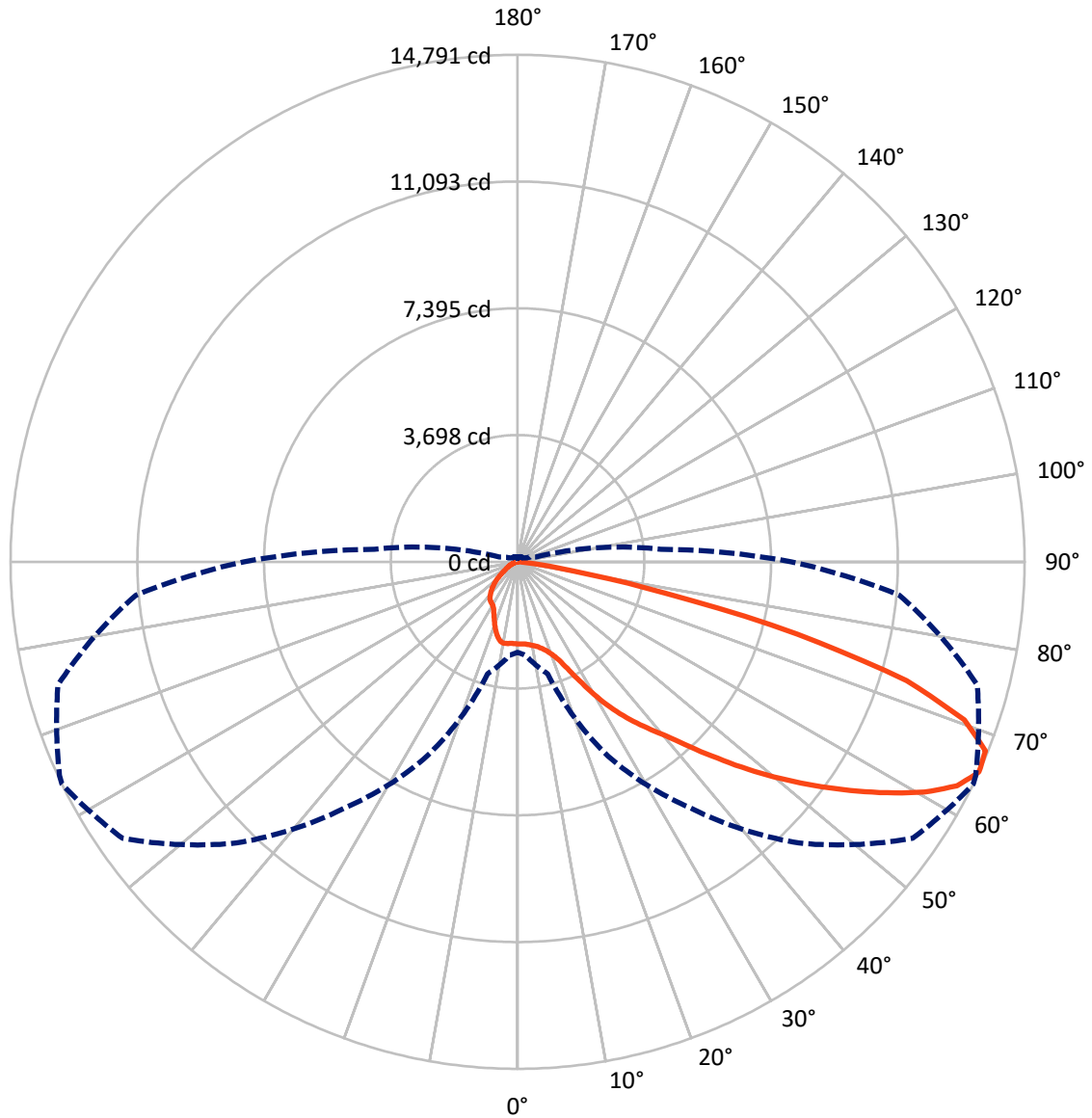
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2755.9   | 0.0    | 2755.9  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 17852.1  | 0.0    | 17852.1 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 20608.0  | 0.0    | 20608.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 221.1   | 1.1       |
| 10°-20°   | 599.8   | 2.9       |
| 20°-30°   | 1136.6  | 5.5       |
| 30°-40°   | 2299.9  | 11.2      |
| 40°-50°   | 3917.8  | 19.0      |
| 50°-60°   | 5328.0  | 25.9      |
| 60°-70°   | 5003.2  | 24.3      |
| 70°-80°   | 2004.5  | 9.7       |
| 80°-90°   | 97.1    | 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°    | 20608.0 | 100.0     |
| 0°-180°   | 20608.0 | 100.0     |

**Coefficient of Utilization**



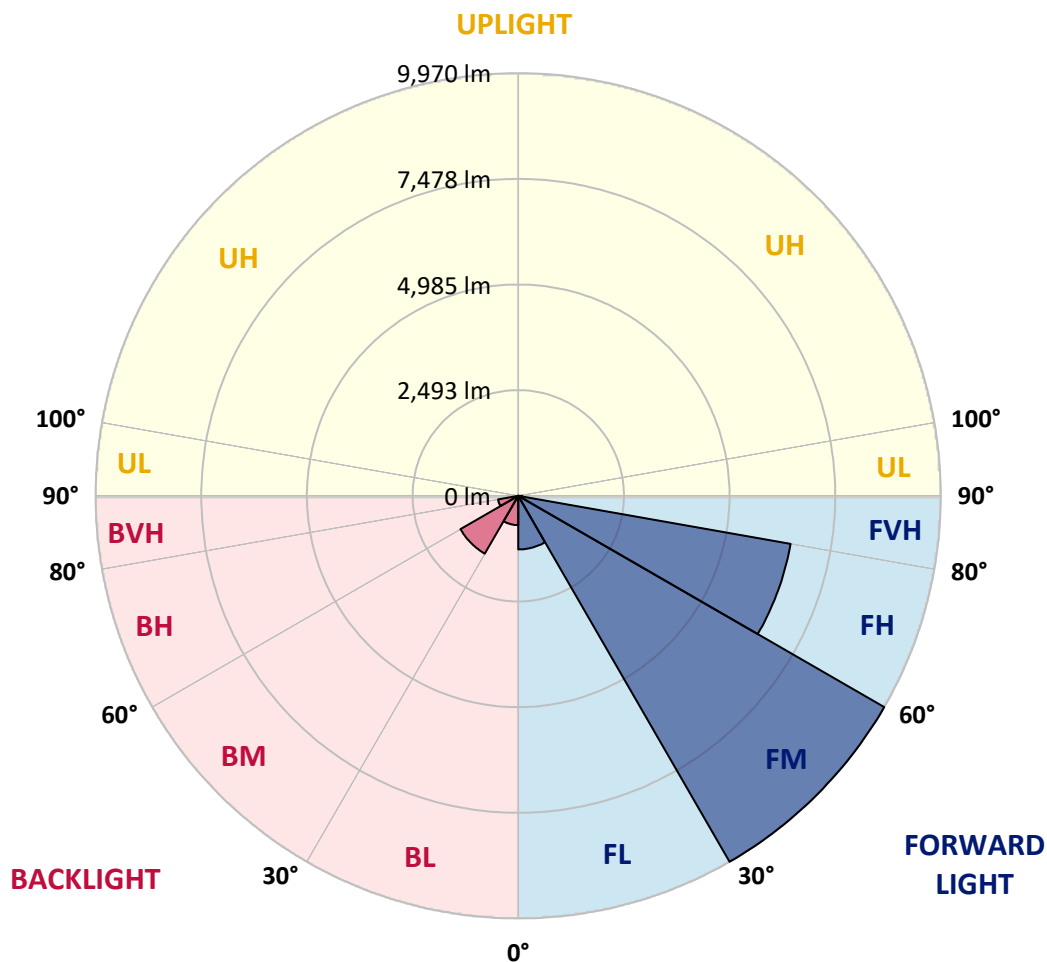
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1265.6 | 6.1       |                         |      |         |
| FM (30°-60°)   | 9970.1 | 48.4      |                         |      |         |
| FH (60°-80°)   | 6524.0 | 31.7      |                         |      | G3/7500 |
| FVH (80°-90°)  | 92.4   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 691.9  | 3.4       | B2/1000                 |      |         |
| BM (30°-60°)   | 1575.5 | 7.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 483.7  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 4.7    | 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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2396.9 | 2396.9 | 2396.9 | 2396.9  | 2396.9  | 2396.9  | 2396.9  | 2396.9  | 2396.9  | 2396.9  |
| 2.5°  | 2388.6 | 2405.2 | 2401.1 | 2396.9  | 2395.5  | 2398.3  | 2399.7  | 2398.3  | 2398.3  | 2398.3  |
| 5°    | 2343.0 | 2356.9 | 2356.9 | 2366.5  | 2380.3  | 2396.9  | 2409.4  | 2412.1  | 2414.9  | 2419.0  |
| 7.5°  | 2256.0 | 2267.1 | 2275.4 | 2307.1  | 2341.7  | 2385.9  | 2423.2  | 2442.5  | 2445.3  | 2460.5  |
| 10°   | 2196.6 | 2210.4 | 2224.2 | 2257.4  | 2307.1  | 2373.4  | 2437.0  | 2484.0  | 2490.9  | 2526.8  |
| 12.5° | 2193.8 | 2207.7 | 2225.6 | 2261.5  | 2319.6  | 2390.0  | 2467.4  | 2535.1  | 2547.5  | 2600.0  |
| 15°   | 2222.9 | 2239.4 | 2256.0 | 2300.2  | 2362.4  | 2448.0  | 2530.9  | 2615.2  | 2627.6  | 2702.2  |
| 17.5° | 2282.3 | 2304.4 | 2316.8 | 2361.0  | 2427.3  | 2522.6  | 2631.8  | 2728.5  | 2739.5  | 2826.6  |
| 20°   | 2399.7 | 2425.9 | 2430.1 | 2466.0  | 2530.9  | 2633.2  | 2763.0  | 2883.2  | 2897.0  | 2996.5  |
| 22.5° | 2642.8 | 2680.1 | 2647.0 | 2664.9  | 2723.0  | 2825.2  | 2966.1  | 3118.1  | 3137.4  | 3250.7  |
| 25°   | 3071.1 | 3123.6 | 3037.9 | 3007.6  | 3032.4  | 3138.8  | 3315.6  | 3507.7  | 3529.8  | 3620.9  |
| 27.5° | 3912.4 | 3844.7 | 3714.9 | 3587.8  | 3513.2  | 3574.0  | 3772.9  | 4010.5  | 4038.2  | 4126.6  |
| 30°   | 4836.7 | 4777.3 | 4601.8 | 4320.0  | 4143.2  | 4133.5  | 4317.2  | 4582.5  | 4614.3  | 4698.5  |
| 32.5° | 5762.3 | 5705.6 | 5515.0 | 5168.2  | 4861.5  | 4709.6  | 4836.7  | 5130.9  | 5147.5  | 5201.4  |
| 35°   | 6672.7 | 6614.7 | 6424.0 | 6069.0  | 5691.8  | 5346.5  | 5321.6  | 5653.1  | 5658.7  | 5715.3  |
| 37.5° | 7588.6 | 7540.3 | 7337.2 | 6989.1  | 6617.4  | 6140.8  | 5910.1  | 6147.7  | 6154.6  | 6209.9  |
| 40°   | 8242.1 | 8262.8 | 8123.3 | 7853.9  | 7534.8  | 7013.9  | 6570.5  | 6674.1  | 6632.6  | 6725.2  |
| 42.5° | 8803.0 | 8844.4 | 8722.9 | 8587.5  | 8402.4  | 7943.7  | 7388.3  | 7370.4  | 7304.1  | 7353.8  |
| 45°   | 9287.9 | 9322.4 | 9213.3 | 9181.5  | 9177.4  | 8855.5  | 8282.2  | 8174.4  | 8081.8  | 8072.2  |
| 47.5° | 9466.1 | 9532.4 | 9579.4 | 9685.8  | 9893.0  | 9757.6  | 9206.4  | 9039.2  | 8935.6  | 8859.6  |
| 50°   | 9533.8 | 9604.3 | 9764.5 | 10074.0 | 10564.4 | 10622.5 | 10126.5 | 9938.6  | 9811.5  | 9673.4  |
| 52.5° | 9442.6 | 9568.4 | 9783.9 | 10304.7 | 11016.2 | 11316.0 | 11009.3 | 10844.9 | 10699.8 | 10474.6 |
| 55°   | 8905.2 | 9030.9 | 9471.7 | 10301.9 | 11241.4 | 11802.3 | 11843.7 | 11770.5 | 11607.5 | 11252.4 |
| 57.5° | 7772.4 | 7958.9 | 8656.6 | 9951.0  | 11237.2 | 12220.9 | 12661.6 | 12714.1 | 12531.7 | 12023.3 |
| 60°   | 6203.0 | 6455.8 | 7306.8 | 9173.2  | 10890.5 | 12447.4 | 13378.6 | 13641.1 | 13447.6 | 12783.1 |
| 62.5° | 4328.3 | 4621.2 | 5426.6 | 7954.7  | 10097.5 | 12284.4 | 13902.2 | 14387.1 | 14240.6 | 13462.8 |
| 65°   | 2640.1 | 2734.0 | 3383.3 | 6259.6  | 8749.1  | 11601.9 | 14063.8 | 14790.5 | 14742.1 | 13878.7 |
| 67.5° | 1758.7 | 1837.4 | 2023.9 | 4292.4  | 6791.5  | 10238.4 | 13677.0 | 14720.0 | 14733.8 | 13811.0 |
| 70°   | 1059.6 | 1127.3 | 1248.9 | 2496.4  | 4401.5  | 8104.0  | 12479.2 | 13822.0 | 13902.2 | 12906.1 |
| 72.5° | 436.6  | 482.1  | 592.7  | 1131.5  | 2279.5  | 5143.4  | 9937.2  | 11867.2 | 12053.7 | 10851.8 |
| 75°   | 247.3  | 270.8  | 348.1  | 567.8   | 989.2   | 2396.9  | 6019.3  | 8424.5  | 8699.4  | 7479.5  |
| 77.5° | 164.4  | 175.5  | 225.2  | 367.5   | 556.7   | 817.9   | 2572.4  | 4389.1  | 4914.0  | 4085.1  |
| 80°   | 110.5  | 120.2  | 154.7  | 245.9   | 362.0   | 350.9   | 819.2   | 1626.0  | 2000.4  | 1403.6  |
| 82.5° | 74.6   | 76.0   | 110.5  | 161.6   | 229.3   | 169.9   | 241.8   | 505.6   | 635.5   | 406.2   |
| 85°   | 42.8   | 41.4   | 81.5   | 93.9    | 102.2   | 70.5    | 73.2    | 152.0   | 198.9   | 171.3   |
| 87.5° | 5.5    | 8.3    | 31.8   | 24.9    | 13.8    | 15.2    | 15.2    | 26.2    | 38.7    | 41.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P849117  
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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2396.9  | 0°    | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 | 2396.9 |
| 2399.7  | 2.5°  | 2399.7 | 2398.3 | 2394.2 | 2390.0 | 2380.3 | 2374.8 | 2377.6 | 2374.8 | 2373.4 | 2374.8 |
| 2417.6  | 5°    | 2417.6 | 2413.5 | 2402.5 | 2388.6 | 2369.3 | 2345.8 | 2330.6 | 2308.5 | 2287.8 | 2275.4 |
| 2466.0  | 7.5°  | 2466.0 | 2461.9 | 2446.7 | 2408.0 | 2345.8 | 2247.7 | 2157.9 | 2079.2 | 2019.8 | 1985.2 |
| 2543.4  | 10°   | 2543.4 | 2536.5 | 2513.0 | 2427.3 | 2264.3 | 2050.2 | 1871.9 | 1724.1 | 1627.4 | 1581.8 |
| 2634.5  | 12.5° | 2634.5 | 2626.3 | 2584.8 | 2409.4 | 2109.6 | 1775.2 | 1529.3 | 1364.9 | 1275.1 | 1235.1 |
| 2739.5  | 15°   | 2742.3 | 2731.3 | 2649.7 | 2323.7 | 1884.4 | 1471.3 | 1246.1 | 1123.2 | 1065.1 | 1029.2 |
| 2873.5  | 17.5° | 2876.3 | 2857.0 | 2698.1 | 2195.2 | 1639.9 | 1239.2 | 1072.1 | 979.5  | 928.4  | 893.8  |
| 3049.0  | 20°   | 3050.4 | 3018.6 | 2736.8 | 2041.9 | 1414.7 | 1092.8 | 954.6  | 877.3  | 838.6  | 808.2  |
| 3297.7  | 22.5° | 3293.5 | 3247.9 | 2783.7 | 1876.1 | 1255.8 | 991.9  | 867.6  | 810.9  | 779.2  | 744.6  |
| 3644.4  | 25°   | 3594.7 | 3540.8 | 2841.8 | 1722.7 | 1146.7 | 904.9  | 804.0  | 757.1  | 719.8  | 679.7  |
| 4098.9  | 27.5° | 4016.1 | 3919.4 | 2910.8 | 1597.0 | 1052.7 | 830.3  | 746.0  | 693.5  | 650.7  | 617.5  |
| 4614.3  | 30°   | 4485.8 | 4326.9 | 2971.6 | 1521.0 | 967.1  | 761.2  | 670.0  | 617.5  | 577.5  | 554.0  |
| 5077.1  | 32.5° | 4930.6 | 4715.1 | 3011.7 | 1487.9 | 889.7  | 682.5  | 587.1  | 530.5  | 500.1  | 493.2  |
| 5530.2  | 35°   | 5350.6 | 5066.0 | 3007.6 | 1456.1 | 820.6  | 603.7  | 505.6  | 447.6  | 424.1  | 428.3  |
| 6017.9  | 37.5° | 5834.1 | 5440.4 | 2978.5 | 1406.4 | 764.0  | 531.9  | 435.2  | 384.1  | 363.3  | 364.7  |
| 6610.5  | 40°   | 6396.4 | 5872.8 | 2960.6 | 1312.4 | 701.8  | 465.6  | 377.2  | 335.7  | 320.5  | 315.0  |
| 7235.0  | 42.5° | 6996.0 | 6291.4 | 2963.3 | 1206.1 | 624.4  | 406.2  | 337.1  | 302.6  | 288.7  | 284.6  |
| 7929.9  | 45°   | 7598.3 | 6690.7 | 2967.5 | 1095.5 | 542.9  | 360.6  | 308.1  | 279.1  | 270.8  | 265.3  |
| 8634.5  | 47.5° | 8164.7 | 7030.5 | 2890.1 | 976.7  | 462.8  | 326.0  | 284.6  | 265.3  | 258.3  | 251.4  |
| 9341.8  | 50°   | 8692.5 | 7257.1 | 2703.6 | 838.6  | 399.3  | 298.4  | 266.6  | 252.8  | 245.9  | 239.0  |
| 9982.8  | 52.5° | 9102.8 | 7293.0 | 2395.5 | 696.3  | 355.0  | 277.7  | 255.6  | 243.1  | 234.9  | 227.9  |
| 10500.9 | 55°   | 9285.1 | 7067.8 | 1957.6 | 563.7  | 320.5  | 259.7  | 244.5  | 232.1  | 222.4  | 215.5  |
| 10908.4 | 57.5° | 9238.2 | 6594.0 | 1526.6 | 453.1  | 287.4  | 241.8  | 230.7  | 222.4  | 211.4  | 200.3  |
| 11238.6 | 60°   | 9007.5 | 5959.8 | 1150.8 | 377.2  | 257.0  | 222.4  | 215.5  | 208.6  | 193.4  | 176.8  |
| 11365.7 | 62.5° | 8608.2 | 5162.7 | 820.6  | 312.2  | 223.8  | 200.3  | 197.6  | 192.0  | 169.9  | 139.5  |
| 11177.8 | 65°   | 7997.6 | 4194.3 | 552.6  | 259.7  | 192.0  | 175.5  | 176.8  | 167.2  | 138.2  | 103.6  |
| 10489.8 | 67.5° | 7105.1 | 3067.0 | 353.7  | 212.8  | 160.3  | 146.4  | 147.8  | 142.3  | 117.4  | 88.4   |
| 9185.7  | 70°   | 5968.1 | 2030.8 | 230.7  | 161.6  | 128.5  | 113.3  | 121.6  | 123.0  | 99.5   | 71.8   |
| 7049.9  | 72.5° | 4375.3 | 1199.2 | 161.6  | 120.2  | 93.9   | 78.7   | 99.5   | 102.2  | 80.1   | 53.9   |
| 4241.2  | 75°   | 2493.6 | 569.2  | 121.6  | 87.0   | 58.0   | 55.3   | 77.4   | 77.4   | 55.3   | 35.9   |
| 1836.0  | 77.5° | 1047.2 | 237.6  | 85.7   | 56.6   | 33.2   | 31.8   | 52.5   | 48.4   | 27.6   | 16.6   |
| 447.6   | 80°   | 302.6  | 106.4  | 45.6   | 27.6   | 13.8   | 12.4   | 20.7   | 15.2   | 6.9    | 2.8    |
| 169.9   | 82.5° | 118.8  | 47.0   | 18.0   | 11.1   | 5.5    | 5.5    | 2.8    | 0.0    | 0.0    | 0.0    |
| 96.7    | 85°   | 70.5   | 19.3   | 8.3    | 4.1    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 20.7    | 87.5° | 18.0   | 4.1    | 2.8    | 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°   |
| <hr/>  |
| 2396.9 |
| 2380.3 |
| 2278.1 |
| 1986.6 |
| 1577.7 |
| 1230.9 |
| 1030.6 |
| 891.1  |
| 802.7  |
| 739.1  |
| 675.6  |
| 610.6  |
| 549.8  |
| 497.3  |
| 428.3  |
| 370.2  |
| 313.6  |
| 283.2  |
| 265.3  |
| 251.4  |
| 239.0  |
| 226.6  |
| 214.1  |
| 198.9  |
| 174.1  |
| 136.8  |
| 100.9  |
| 84.3   |
| 69.1   |
| 51.1   |
| 33.2   |
| 16.6   |
| 2.8    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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