

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: P455112

Luminaire Tested: **GLAN-SA6B-730-U-T3-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22561 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 243  
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

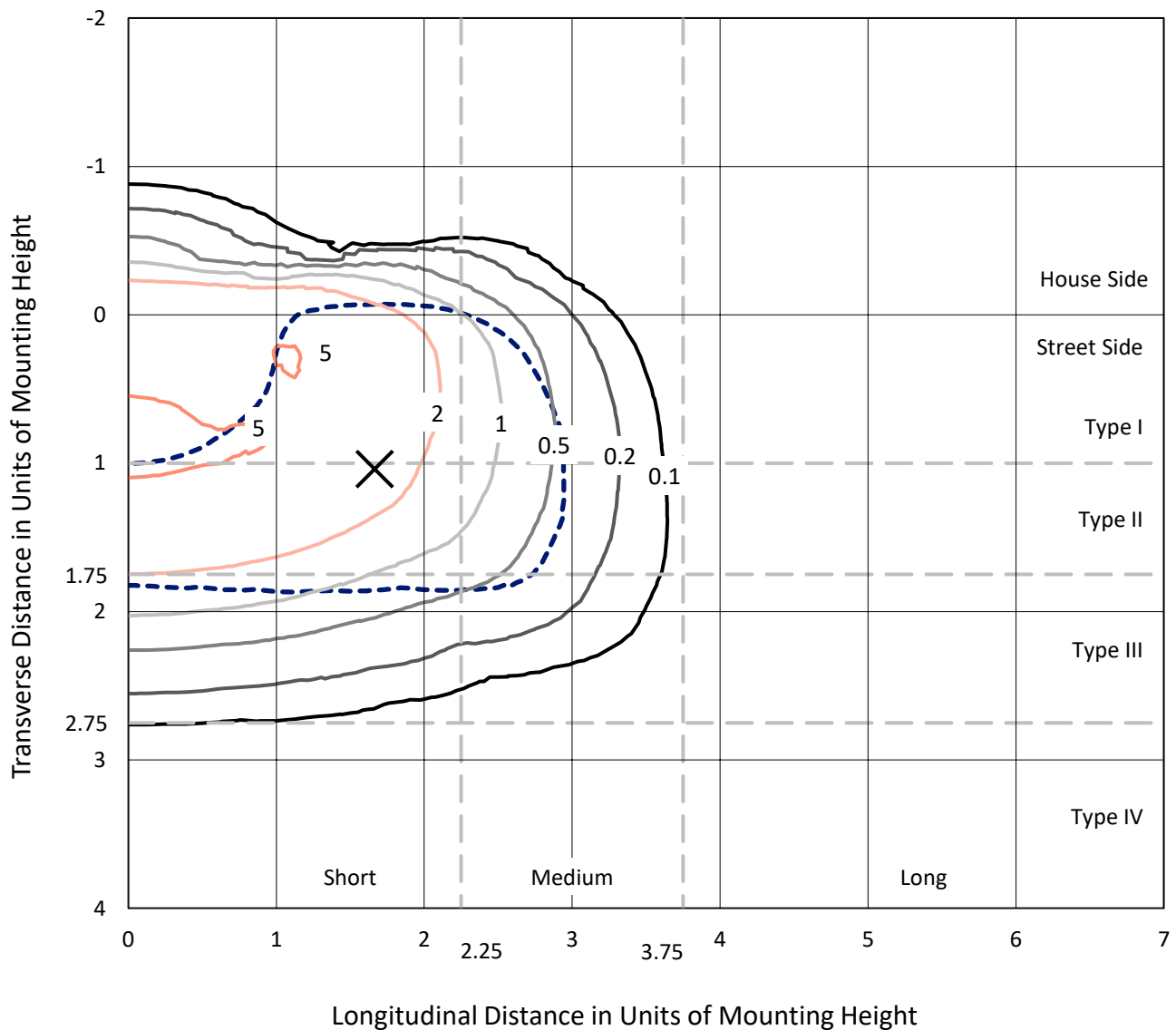


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

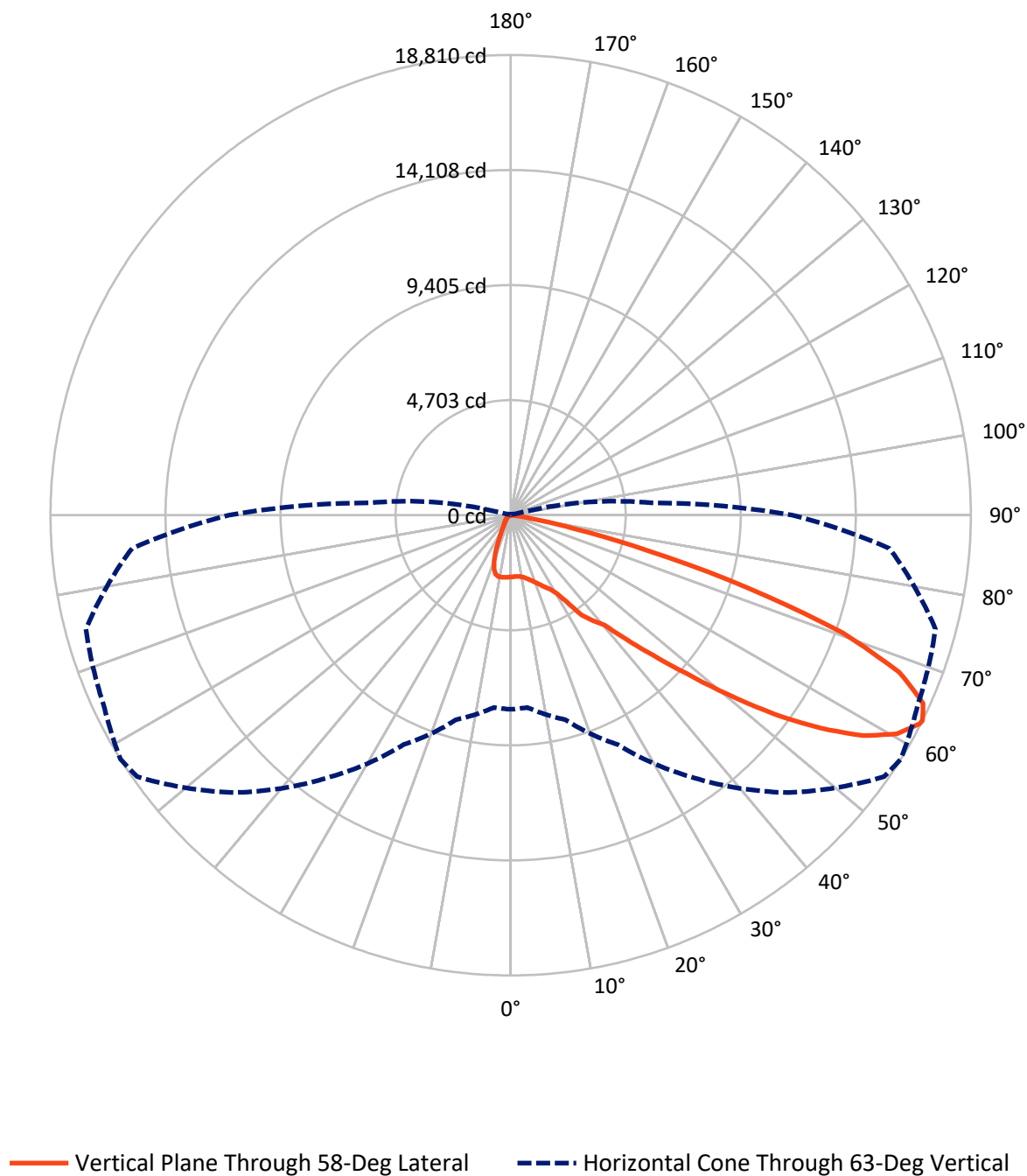


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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## Luminous Intensity Polar Plot



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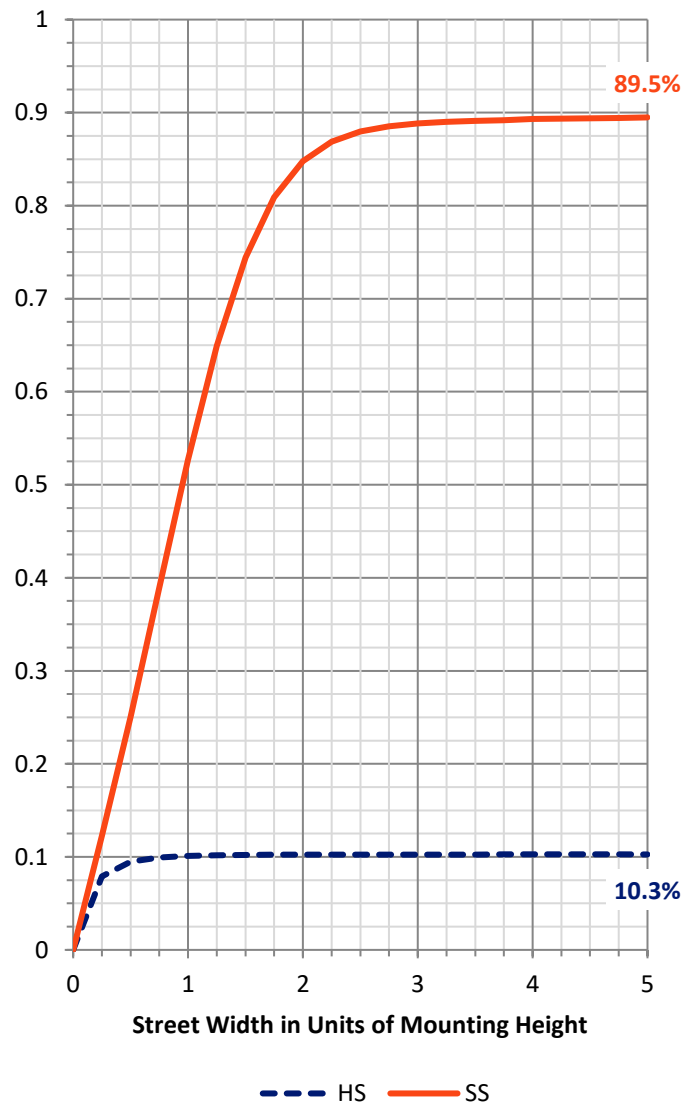
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2336.0   | 0.0    | 2336.0  |
|                    | % Fixture | 10.4     | 0.0    | 10.4    |
| <b>Street Side</b> | Lumens    | 20225.0  | 0.0    | 20225.0 |
|                    | % Fixture | 89.6     | 0.0    | 89.6    |
| <b>Total</b>       | Lumens    | 22561.0  | 0.0    | 22561.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 236.4   | 1.0       |
| 10°-20°   | 644.0   | 2.9       |
| 20°-30°   | 1117.7  | 5.0       |
| 30°-40°   | 2053.9  | 9.1       |
| 40°-50°   | 3866.4  | 17.1      |
| 50°-60°   | 6613.2  | 29.3      |
| 60°-70°   | 6332.1  | 28.1      |
| 70°-80°   | 1614.7  | 7.2       |
| 80°-90°   | 82.6    | 0.4       |
| 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°    | 22561.0 | 100.0     |
| 0°-180°   | 22561.0 | 100.0     |

**Coefficient of Utilization**



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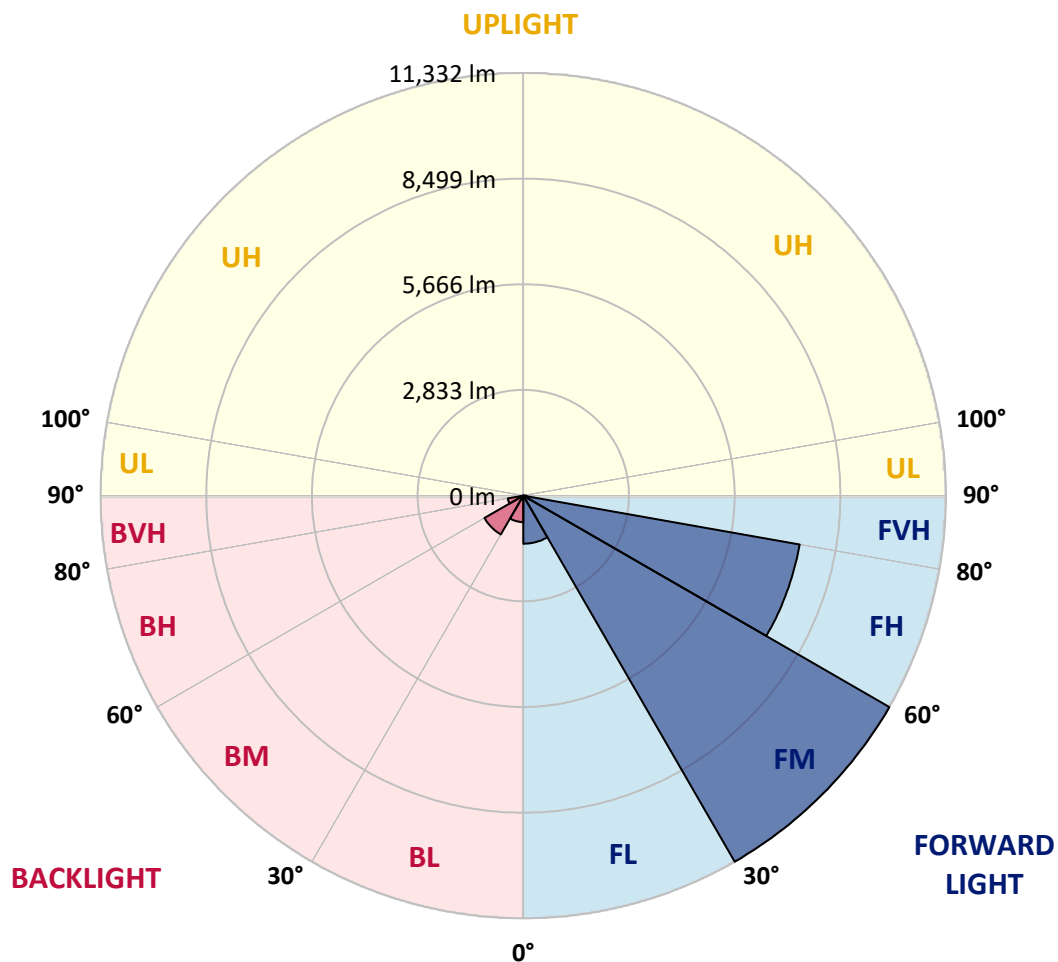
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1289.7  | 5.7       |                         |      |          |
| FM   | (30°-60°)   | 11331.9 | 50.2      |                         |      |          |
| FH   | (60°-80°)   | 7524.0  | 33.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 79.4    | 0.4       |                         |      | G1/100   |
| BL   | (0°-30°)    | 708.5   | 3.1       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1201.5  | 5.3       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 422.9   | 1.9       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 3.2     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 58°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  | 2525.8  |
| 2.5°  | 2462.9  | 2471.4  | 2479.9  | 2483.3  | 2495.2  | 2507.1  | 2515.6  | 2513.9  | 2527.5  | 2534.3  | 2534.3  |
| 5°    | 2364.4  | 2364.4  | 2386.5  | 2406.9  | 2440.9  | 2474.8  | 2507.1  | 2513.9  | 2539.4  | 2563.2  | 2571.7  |
| 7.5°  | 2281.2  | 2286.3  | 2303.3  | 2340.6  | 2386.5  | 2446.0  | 2510.5  | 2525.8  | 2570.0  | 2622.6  | 2644.7  |
| 10°   | 2242.1  | 2245.5  | 2267.6  | 2306.7  | 2364.4  | 2446.0  | 2536.0  | 2564.9  | 2632.8  | 2716.0  | 2746.6  |
| 12.5° | 2233.6  | 2238.7  | 2260.8  | 2305.0  | 2371.2  | 2469.7  | 2592.0  | 2622.6  | 2721.1  | 2828.1  | 2874.0  |
| 15°   | 2248.9  | 2252.3  | 2274.4  | 2322.0  | 2395.0  | 2512.2  | 2666.8  | 2709.2  | 2826.4  | 2950.4  | 3009.9  |
| 17.5° | 2303.3  | 2299.9  | 2315.2  | 2354.2  | 2435.8  | 2564.9  | 2756.8  | 2807.8  | 2945.3  | 3115.2  | 3154.3  |
| 20°   | 2534.3  | 2512.2  | 2498.6  | 2464.6  | 2496.9  | 2639.6  | 2865.5  | 2940.2  | 3110.1  | 3283.4  | 3310.5  |
| 22.5° | 3032.0  | 2982.7  | 2885.9  | 2753.4  | 2651.5  | 2741.5  | 2996.3  | 3082.9  | 3302.0  | 3471.9  | 3471.9  |
| 25°   | 3665.5  | 3602.7  | 3505.9  | 3217.1  | 2967.4  | 2909.7  | 3144.1  | 3252.8  | 3511.0  | 3682.5  | 3626.5  |
| 27.5° | 4458.8  | 4409.5  | 4221.0  | 3884.7  | 3502.5  | 3203.5  | 3315.6  | 3415.8  | 3696.1  | 3903.3  | 3786.1  |
| 30°   | 5104.2  | 5080.5  | 4925.9  | 4625.2  | 4204.0  | 3767.5  | 3635.0  | 3701.2  | 3942.4  | 4181.9  | 4061.3  |
| 32.5° | 5649.5  | 5649.5  | 5491.5  | 5211.2  | 4817.2  | 4429.9  | 4176.8  | 4224.4  | 4455.4  | 4732.2  | 4508.0  |
| 35°   | 6249.1  | 6228.7  | 6101.3  | 5834.6  | 5393.0  | 5051.6  | 4948.0  | 5012.5  | 5221.4  | 5427.0  | 4874.9  |
| 37.5° | 6879.3  | 6872.5  | 6740.0  | 6481.8  | 6121.7  | 5691.9  | 5449.1  | 5466.0  | 5573.0  | 5698.7  | 5304.7  |
| 40°   | 7563.8  | 7574.0  | 7400.7  | 7241.1  | 6901.3  | 6461.4  | 5996.0  | 5889.0  | 5989.2  | 6344.2  | 6097.9  |
| 42.5° | 8372.3  | 8348.5  | 8273.8  | 8056.4  | 7782.9  | 7519.6  | 6960.8  | 6921.7  | 7010.0  | 7390.5  | 7123.9  |
| 45°   | 9311.6  | 9345.6  | 9216.5  | 9095.9  | 8912.5  | 8693.3  | 8226.2  | 8158.3  | 8255.1  | 8846.2  | 8467.4  |
| 47.5° | 10252.6 | 10220.4 | 10303.6 | 10281.5 | 10380.0 | 10217.0 | 9804.2  | 9664.9  | 9897.6  | 10458.2 | 9901.0  |
| 50°   | 10969.4 | 11005.1 | 11178.4 | 11431.5 | 11854.4 | 11946.1 | 11550.4 | 11502.8 | 11606.4 | 11966.5 | 11183.5 |
| 52.5° | 11434.9 | 11553.8 | 11825.5 | 12476.1 | 13238.7 | 13831.6 | 13530.9 | 13505.4 | 13463.0 | 13559.8 | 12409.8 |
| 55°   | 11738.9 | 11859.5 | 12214.5 | 13172.5 | 14485.5 | 15448.6 | 15463.9 | 15355.2 | 15074.9 | 15005.3 | 13556.4 |
| 57.5° | 11552.1 | 11575.8 | 12082.0 | 13362.7 | 15176.8 | 16601.9 | 17101.3 | 16992.6 | 16474.5 | 16211.3 | 14568.7 |
| 60°   | 10383.4 | 10432.7 | 11137.6 | 12642.5 | 14876.2 | 16979.0 | 18186.7 | 18137.5 | 17570.1 | 17272.9 | 15356.9 |
| 62.5° | 8312.9  | 8455.5  | 9180.8  | 10859.0 | 13478.2 | 16343.8 | 18626.6 | 18765.9 | 18324.3 | 17914.9 | 15604.9 |
| 63°   | 7932.4  | 7886.5  | 8652.6  | 10339.3 | 13108.0 | 16029.5 | 18633.4 | 18810.1 | 18358.3 | 17976.1 | 15536.9 |
| 65°   | 5872.0  | 6009.6  | 6507.3  | 8153.2  | 10908.3 | 14567.0 | 18213.9 | 18526.4 | 18232.6 | 17706.0 | 14784.5 |
| 67.5° | 3296.9  | 3290.2  | 3840.5  | 5335.2  | 7635.1  | 11426.4 | 16469.4 | 17130.2 | 17069.0 | 15888.5 | 12255.3 |
| 70°   | 1613.7  | 1639.1  | 1865.0  | 2765.3  | 4428.2  | 7883.1  | 13685.5 | 14398.9 | 14421.0 | 12479.5 | 8474.2  |
| 72.5° | 730.4   | 742.3   | 903.6   | 1347.0  | 2276.1  | 4197.2  | 9430.5  | 10111.7 | 9986.0  | 7952.8  | 4679.6  |
| 75°   | 385.6   | 411.1   | 497.7   | 677.7   | 1097.3  | 1730.9  | 5129.7  | 5788.8  | 5525.5  | 3633.3  | 1722.4  |
| 77.5° | 285.4   | 293.9   | 338.0   | 431.4   | 587.7   | 674.3   | 2213.3  | 2632.8  | 2466.3  | 1314.7  | 570.7   |
| 80°   | 208.9   | 215.7   | 251.4   | 305.7   | 370.3   | 343.1   | 834.0   | 956.3   | 857.8   | 446.7   | 175.0   |
| 82.5° | 127.4   | 129.1   | 183.4   | 227.6   | 232.7   | 191.9   | 275.2   | 295.6   | 309.1   | 251.4   | 95.1    |
| 85°   | 45.9    | 57.8    | 124.0   | 164.8   | 137.6   | 96.8    | 115.5   | 127.4   | 139.3   | 159.7   | 56.1    |
| 87.5° | 5.1     | 6.8     | 59.5    | 79.8    | 39.1    | 35.7    | 42.5    | 47.6    | 51.0    | 59.5    | 27.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2525.8  | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 | 2525.8 |
| 2.5°  | 2541.1  | 2547.9 | 2542.8 | 2534.3 | 2532.6 | 2527.5 | 2517.3 | 2517.3 | 2517.3 | 2520.7 | 2517.3 |
| 5°    | 2578.4  | 2583.5 | 2571.7 | 2554.7 | 2536.0 | 2512.2 | 2486.7 | 2471.4 | 2469.7 | 2466.3 | 2457.8 |
| 7.5°  | 2649.8  | 2656.6 | 2629.4 | 2588.6 | 2537.7 | 2479.9 | 2425.6 | 2374.6 | 2350.8 | 2332.2 | 2332.2 |
| 10°   | 2753.4  | 2760.2 | 2705.8 | 2632.8 | 2530.9 | 2413.7 | 2284.6 | 2167.4 | 2075.7 | 2033.2 | 2023.0 |
| 12.5° | 2877.4  | 2880.8 | 2790.8 | 2663.4 | 2495.2 | 2269.3 | 1994.1 | 1737.6 | 1559.3 | 1477.8 | 1469.3 |
| 15°   | 3013.3  | 2989.5 | 2870.6 | 2675.3 | 2393.3 | 1972.1 | 1496.5 | 1182.2 | 997.1  | 942.7  | 963.1  |
| 17.5° | 3150.9  | 3106.7 | 2931.8 | 2656.6 | 2164.0 | 1496.5 | 1005.6 | 806.8  | 749.1  | 733.8  | 733.8  |
| 20°   | 3280.0  | 3218.8 | 2975.9 | 2575.1 | 1766.5 | 1031.0 | 745.7  | 698.1  | 687.9  | 677.7  | 679.4  |
| 22.5° | 3409.1  | 3315.6 | 3015.0 | 2393.3 | 1316.4 | 737.2  | 667.5  | 652.3  | 638.7  | 625.1  | 623.4  |
| 25°   | 3534.7  | 3405.7 | 3030.3 | 2057.0 | 896.9  | 633.6  | 609.8  | 589.4  | 562.2  | 546.9  | 543.5  |
| 27.5° | 3665.5  | 3514.4 | 3020.1 | 1632.3 | 654.0  | 567.3  | 543.5  | 514.7  | 482.4  | 455.2  | 455.2  |
| 30°   | 3916.9  | 3721.6 | 2984.4 | 1173.7 | 550.3  | 499.4  | 468.8  | 422.9  | 387.3  | 360.1  | 358.4  |
| 32.5° | 4260.0  | 3991.7 | 2862.1 | 825.5  | 489.2  | 439.9  | 394.1  | 343.1  | 305.7  | 285.4  | 285.4  |
| 35°   | 4565.8  | 4263.4 | 2632.8 | 608.1  | 439.9  | 382.2  | 326.1  | 276.9  | 248.0  | 234.4  | 229.3  |
| 37.5° | 5031.2  | 4660.9 | 2316.9 | 494.3  | 392.4  | 331.2  | 273.5  | 227.6  | 203.8  | 193.6  | 193.6  |
| 40°   | 5729.3  | 5146.7 | 1929.6 | 433.1  | 346.5  | 282.0  | 227.6  | 191.9  | 173.3  | 161.4  | 161.4  |
| 42.5° | 6595.6  | 5741.2 | 1537.2 | 389.0  | 304.0  | 242.9  | 190.2  | 163.1  | 146.1  | 137.6  | 135.9  |
| 45°   | 7686.1  | 6368.0 | 1183.9 | 348.2  | 270.1  | 207.2  | 161.4  | 137.6  | 120.6  | 115.5  | 117.2  |
| 47.5° | 8824.1  | 6920.0 | 917.2  | 312.5  | 234.4  | 175.0  | 137.6  | 118.9  | 107.0  | 100.2  | 100.2  |
| 50°   | 9795.7  | 7300.5 | 696.4  | 271.8  | 207.2  | 147.8  | 120.6  | 107.0  | 96.8   | 93.4   | 91.7   |
| 52.5° | 10607.6 | 7410.9 | 533.4  | 236.1  | 181.7  | 127.4  | 107.0  | 96.8   | 88.3   | 83.2   | 83.2   |
| 55°   | 11299.0 | 7314.1 | 417.9  | 198.7  | 152.9  | 110.4  | 95.1   | 86.6   | 76.4   | 71.3   | 69.6   |
| 57.5° | 11703.2 | 7003.3 | 319.3  | 164.8  | 124.0  | 91.7   | 83.2   | 73.0   | 61.1   | 52.7   | 52.7   |
| 60°   | 11907.1 | 6551.4 | 244.6  | 135.9  | 95.1   | 73.0   | 67.9   | 54.4   | 42.5   | 35.7   | 34.0   |
| 62.5° | 11662.5 | 5951.8 | 185.1  | 107.0  | 71.3   | 54.4   | 45.9   | 39.1   | 27.2   | 20.4   | 20.4   |
| 63°   | 11511.3 | 5778.6 | 178.4  | 101.9  | 66.2   | 51.0   | 42.5   | 35.7   | 23.8   | 18.7   | 17.0   |
| 65°   | 10493.8 | 5022.7 | 146.1  | 81.5   | 52.7   | 35.7   | 28.9   | 25.5   | 17.0   | 8.5    | 6.8    |
| 67.5° | 8333.2  | 3842.2 | 115.5  | 61.1   | 37.4   | 25.5   | 17.0   | 15.3   | 5.1    | 0.0    | 0.0    |
| 70°   | 5634.2  | 2481.6 | 90.0   | 44.2   | 25.5   | 15.3   | 8.5    | 6.8    | 1.7    | 0.0    | 0.0    |
| 72.5° | 2938.5  | 1272.2 | 69.6   | 32.3   | 15.3   | 10.2   | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    |
| 75°   | 1039.5  | 433.1  | 51.0   | 20.4   | 10.2   | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 314.2   | 161.4  | 32.3   | 15.3   | 6.8    | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 110.4   | 59.5   | 18.7   | 10.2   | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 54.4    | 28.9   | 11.9   | 8.5    | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 30.6    | 18.7   | 10.2   | 8.5    | 5.1    | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 22.1    | 13.6   | 10.2   | 8.5    | 6.8    | 3.4    | 1.7    | 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    | 0.0    |

(END OF REPORT)