

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: P954118

Luminaire Tested: **GLAN-SB7C-722-U-SL2**

Issue Date: 1/21/2025

### Test Information

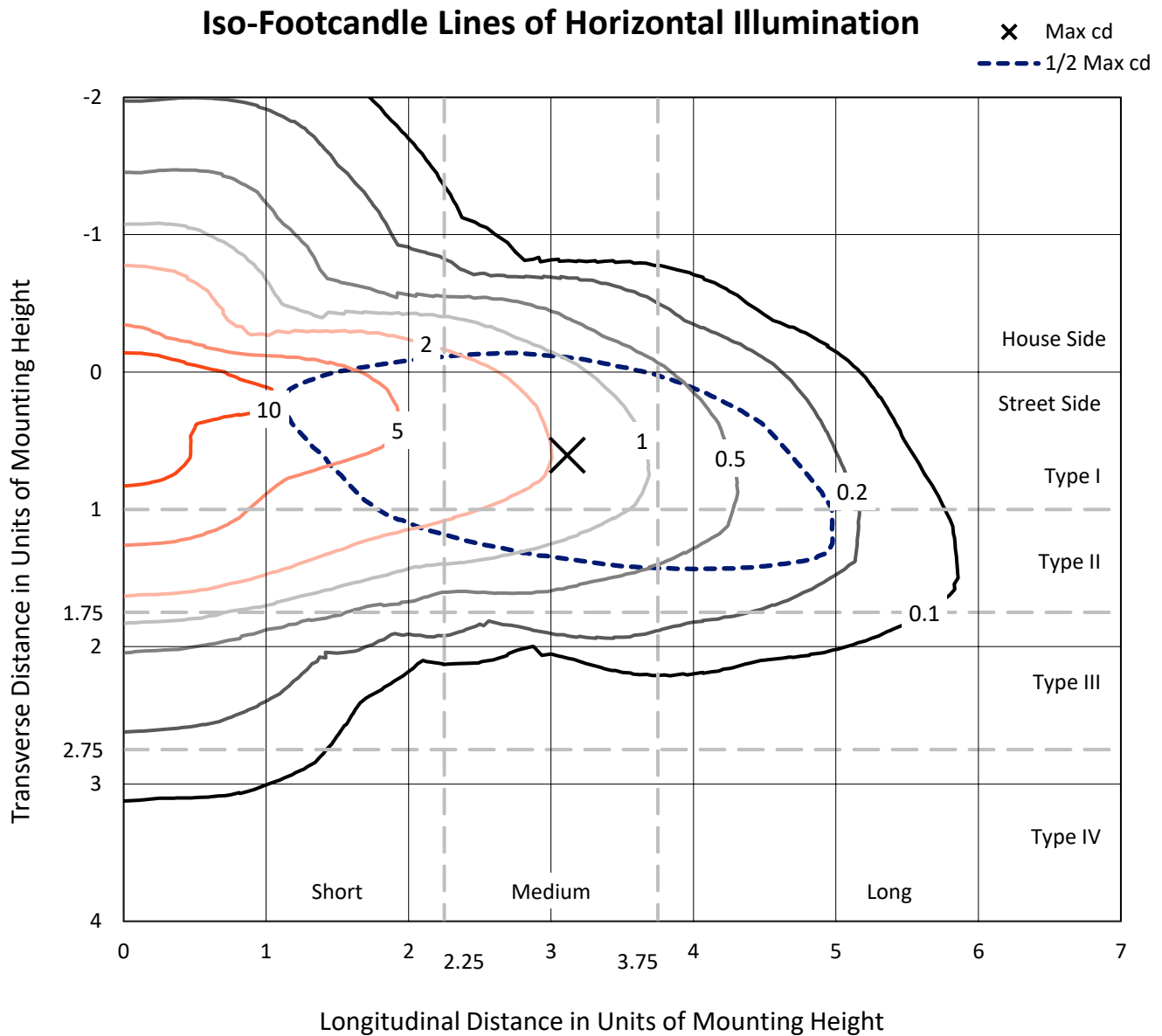
Test Method: LM-79-08  
Report Number: P954118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-722-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 43731 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
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

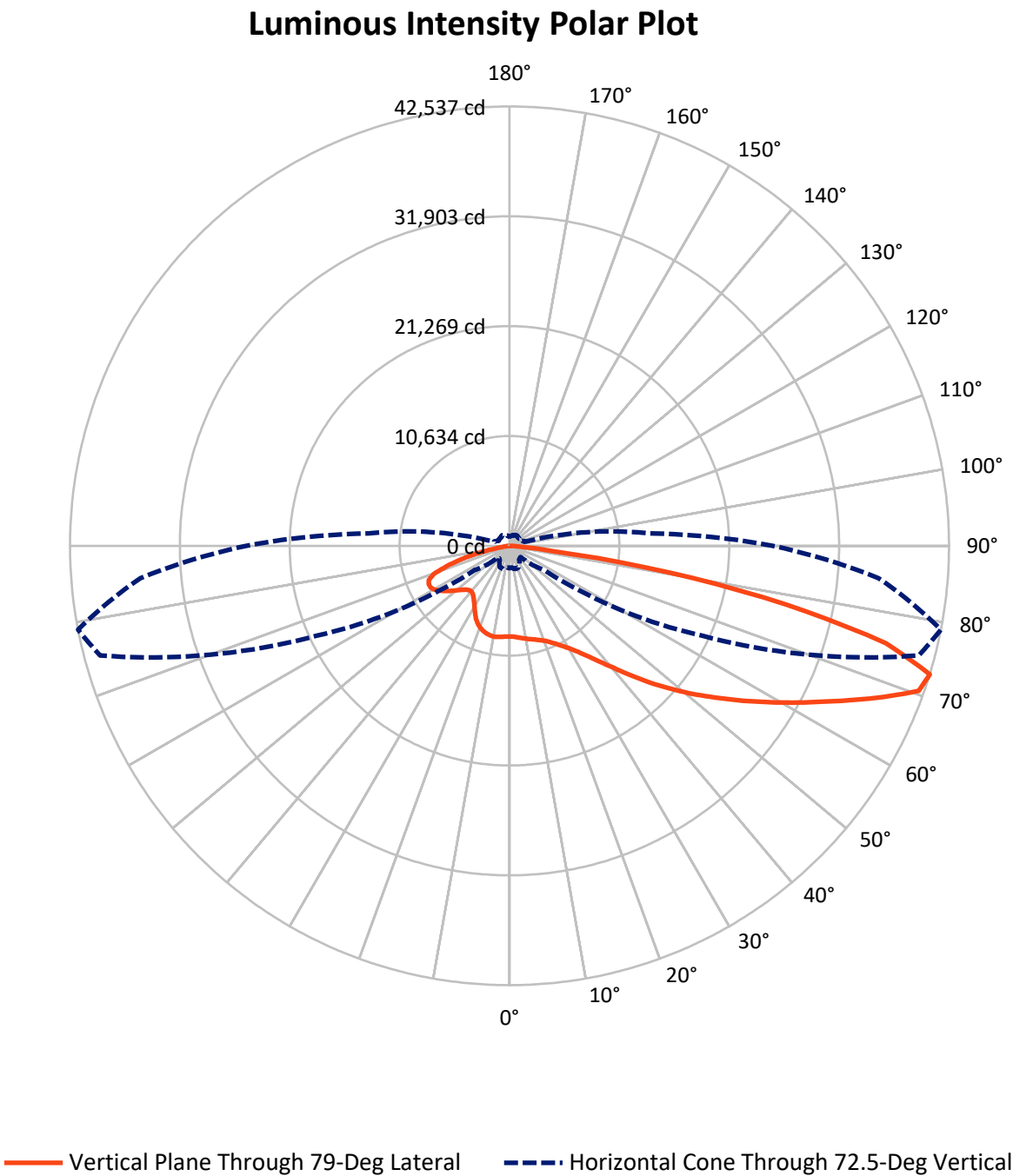


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Based on 25 foot mounting height. Maximum calculated value = 14.1 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9623.2   | 0.0    | 9623.2  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 34107.8  | 0.0    | 34107.8 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 43731.0  | 0.0    | 43731.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 796.8   | 1.8       |
| 10°-20°   | 2083.3  | 4.8       |
| 20°-30°   | 3361.7  | 7.7       |
| 30°-40°   | 5045.4  | 11.5      |
| 40°-50°   | 7157.2  | 16.4      |
| 50°-60°   | 9038.5  | 20.7      |
| 60°-70°   | 9179.9  | 21.0      |
| 70°-80°   | 6256.5  | 14.3      |
| 80°-90°   | 811.7   | 1.9       |
| 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°    | 43731.0 | 100.0     |
| 0°-180°   | 43731.0 | 100.0     |

**Coefficient of Utilization**



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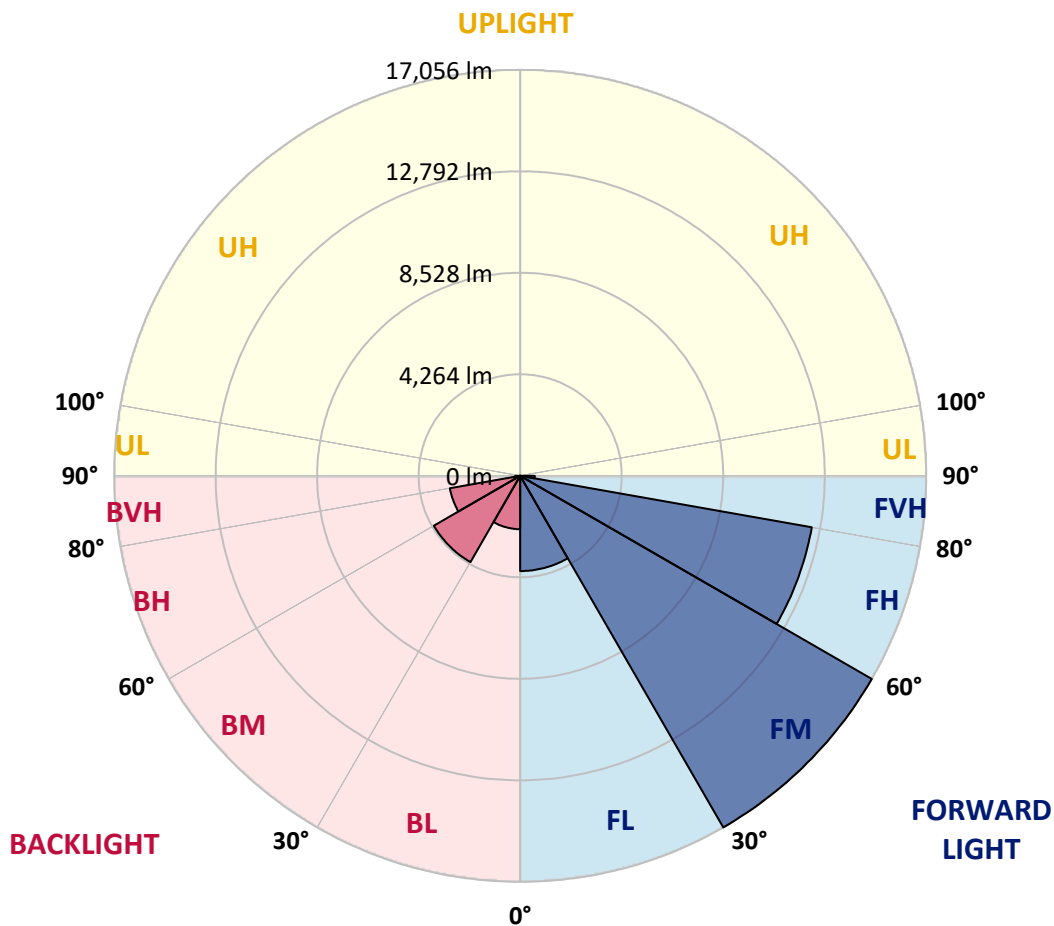
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4000.3  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 17056.0 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 12440.0 | 28.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 611.5   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 2241.5  | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4185.1  | 9.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2996.4  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 200.2   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  | 8778.6  |
| 2.5°  | 8783.2  | 8741.6  | 8767.0  | 8757.8  | 8769.3  | 8783.2  | 8787.8  | 8794.8  | 8817.9  | 8815.6  |
| 5°    | 8764.7  | 8723.1  | 8757.8  | 8746.2  | 8776.3  | 8808.7  | 8836.4  | 8861.9  | 8898.9  | 8915.1  |
| 7.5°  | 8725.4  | 8697.6  | 8732.3  | 8767.0  | 8822.5  | 8871.1  | 8910.4  | 8968.3  | 9021.5  | 9030.7  |
| 10°   | 8496.4  | 8475.6  | 8556.5  | 8646.7  | 8799.4  | 8931.3  | 9016.8  | 9083.9  | 9141.8  | 9151.0  |
| 12.5° | 8258.1  | 8232.7  | 8322.9  | 8445.5  | 8693.0  | 8931.3  | 9111.7  | 9199.6  | 9250.5  | 9280.5  |
| 15°   | 8218.8  | 8198.0  | 8248.9  | 8355.3  | 8561.1  | 8868.8  | 9176.5  | 9338.4  | 9382.3  | 9417.0  |
| 17.5° | 8408.5  | 8369.1  | 8390.0  | 8427.0  | 8547.3  | 8811.0  | 9227.3  | 9495.7  | 9562.8  | 9599.8  |
| 20°   | 8848.0  | 8792.5  | 8760.1  | 8686.1  | 8665.2  | 8820.2  | 9222.7  | 9685.4  | 9773.3  | 9819.5  |
| 22.5° | 9433.2  | 9396.2  | 9326.8  | 9139.4  | 8935.9  | 8933.6  | 9310.6  | 9928.2  | 10092.5 | 10136.4 |
| 25°   | 10141.1 | 10085.5 | 9997.6  | 9743.2  | 9352.3  | 9157.9  | 9458.7  | 10238.2 | 10513.5 | 10525.0 |
| 27.5° | 10955.3 | 10872.0 | 10751.7 | 10416.3 | 9888.9  | 9509.6  | 9685.4  | 10594.4 | 10996.9 | 10992.3 |
| 30°   | 11813.5 | 11730.2 | 11603.0 | 11195.9 | 10532.0 | 9983.8  | 10000.0 | 10978.4 | 11570.6 | 11545.2 |
| 32.5° | 12440.4 | 12377.9 | 12352.5 | 12037.9 | 11272.2 | 10543.6 | 10360.8 | 11404.1 | 12278.4 | 12255.3 |
| 35°   | 12921.5 | 12840.6 | 12870.6 | 12711.0 | 12079.5 | 11170.4 | 10802.6 | 11910.7 | 13139.0 | 13136.6 |
| 37.5° | 13398.0 | 13326.3 | 13351.8 | 13245.4 | 12826.7 | 11966.2 | 11341.6 | 12530.6 | 14205.3 | 14256.2 |
| 40°   | 13832.9 | 13756.6 | 13858.4 | 13758.9 | 13407.3 | 12812.8 | 11954.6 | 13231.5 | 15440.6 | 15537.7 |
| 42.5° | 14094.3 | 14034.2 | 14203.0 | 14205.3 | 13911.6 | 13527.6 | 12627.7 | 14004.1 | 16870.1 | 17087.6 |
| 45°   | 14184.5 | 14163.7 | 14418.2 | 14471.4 | 14358.0 | 13941.6 | 13233.8 | 14846.1 | 18410.7 | 18799.4 |
| 47.5° | 14087.4 | 14048.0 | 14399.7 | 14596.3 | 14686.5 | 14135.9 | 13735.8 | 15757.5 | 19983.7 | 20552.8 |
| 50°   | 13597.0 | 13520.6 | 14043.4 | 14457.5 | 14779.0 | 14263.2 | 14242.4 | 16810.0 | 21771.8 | 22394.1 |
| 52.5° | 12715.6 | 12657.8 | 13252.3 | 13971.7 | 14575.5 | 14325.6 | 14811.4 | 17959.7 | 23469.7 | 24274.7 |
| 55°   | 11589.1 | 11512.8 | 12167.4 | 13106.6 | 14068.9 | 14304.8 | 15380.4 | 19245.8 | 25472.9 | 26289.5 |
| 57.5° | 9803.3  | 9650.7  | 10478.8 | 11589.1 | 13243.1 | 14279.4 | 15972.6 | 20525.0 | 27508.5 | 28487.0 |
| 60°   | 7198.7  | 6972.0  | 7987.5  | 9303.7  | 11628.4 | 14031.9 | 16705.9 | 21959.2 | 29951.3 | 30832.6 |
| 62.5° | 4191.5  | 4059.7  | 4723.5  | 5951.9  | 8764.7  | 12574.5 | 17117.7 | 23627.0 | 32352.4 | 33277.7 |
| 65°   | 3254.7  | 3217.7  | 3275.5  | 3370.3  | 4878.5  | 9414.7  | 15847.7 | 25253.2 | 35405.8 | 36053.5 |
| 67.5° | 2977.1  | 2949.3  | 2974.8  | 2796.7  | 2475.1  | 5244.0  | 12537.5 | 25664.9 | 38676.7 | 39069.9 |
| 70°   | 2646.3  | 2613.9  | 2697.2  | 2544.5  | 1947.7  | 2384.9  | 8100.8  | 24170.6 | 41279.0 | 42016.9 |
| 72.5° | 2155.9  | 2118.9  | 2313.2  | 2243.8  | 1640.1  | 1531.3  | 4068.9  | 20619.8 | 41006.0 | 42537.4 |
| 75°   | 1656.2  | 1635.4  | 1866.7  | 1924.6  | 1337.0  | 1205.2  | 1952.3  | 15327.2 | 36085.9 | 37628.8 |
| 77.5° | 1286.1  | 1269.9  | 1387.9  | 1598.4  | 1077.9  | 934.5   | 1200.5  | 9722.4  | 27193.9 | 27464.6 |
| 80°   | 964.6   | 918.3   | 1027.1  | 1237.6  | 839.7   | 682.4   | 814.2   | 5669.6  | 17189.4 | 15581.7 |
| 82.5° | 603.7   | 580.6   | 670.8   | 825.8   | 592.2   | 469.6   | 529.7   | 3132.1  | 6888.7  | 4057.3  |
| 85°   | 344.7   | 335.4   | 365.5   | 471.9   | 321.5   | 270.6   | 303.0   | 1383.3  | 1258.4  | 865.1   |
| 87.5° | 138.8   | 134.2   | 166.6   | 210.5   | 118.0   | 99.5    | 106.4   | 333.1   | 277.6   | 256.8   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8778.6  | 0°    | 8778.6  | 8778.6  | 8778.6 | 8778.6 | 8778.6 | 8778.6 | 8778.6 | 8778.6 | 8778.6 | 8778.6 |
| 8813.3  | 2.5°  | 8804.0  | 8804.0  | 8771.6 | 8720.8 | 8662.9 | 8625.9 | 8565.8 | 8549.6 | 8487.1 | 8468.6 |
| 8891.9  | 5°    | 8910.4  | 8891.9  | 8792.5 | 8649.0 | 8452.4 | 8272.0 | 8073.1 | 7948.1 | 7772.3 | 7709.9 |
| 9046.9  | 7.5°  | 9044.6  | 8993.7  | 8822.5 | 8507.9 | 8096.2 | 7691.4 | 7270.4 | 6951.2 | 6645.8 | 6537.1 |
| 9174.1  | 10°   | 9167.2  | 9095.5  | 8804.0 | 8253.5 | 7541.0 | 6840.1 | 6169.3 | 5699.7 | 5343.5 | 5197.8 |
| 9315.2  | 12.5° | 9289.8  | 9157.9  | 8681.4 | 7830.2 | 6752.2 | 5801.5 | 5086.7 | 4721.2 | 4501.5 | 4325.7 |
| 9430.9  | 15°   | 9405.5  | 9220.4  | 8491.7 | 7263.4 | 5887.1 | 4922.5 | 4395.1 | 4103.6 | 3927.8 | 3812.1 |
| 9599.8  | 17.5° | 9539.6  | 9273.6  | 8207.2 | 6544.0 | 5063.6 | 4314.1 | 3883.9 | 3708.1 | 3673.4 | 3659.5 |
| 9831.1  | 20°   | 9727.0  | 9322.2  | 7832.5 | 5739.0 | 4457.5 | 3828.3 | 3606.3 | 3590.1 | 3587.8 | 3580.8 |
| 10108.7 | 22.5° | 9928.2  | 9380.0  | 7337.5 | 5008.1 | 3941.7 | 3525.3 | 3486.0 | 3453.6 | 3432.8 | 3430.5 |
| 10444.1 | 25°   | 10166.5 | 9398.5  | 6717.5 | 4409.0 | 3502.2 | 3381.9 | 3335.6 | 3287.1 | 3273.2 | 3273.2 |
| 10825.8 | 27.5° | 10397.8 | 9336.1  | 5995.8 | 3888.5 | 3254.7 | 3250.0 | 3189.9 | 3173.7 | 3171.4 | 3178.3 |
| 11260.6 | 30°   | 10629.1 | 9218.1  | 5278.7 | 3407.3 | 3111.2 | 3111.2 | 3090.4 | 3102.0 | 3111.2 | 3134.4 |
| 11857.4 | 32.5° | 10941.4 | 9093.2  | 4679.6 | 3051.1 | 2986.3 | 2963.2 | 2984.0 | 3007.2 | 3016.4 | 3046.5 |
| 12641.6 | 35°   | 11399.4 | 9005.3  | 4203.1 | 2856.8 | 2856.8 | 2826.7 | 2838.3 | 2833.7 | 2812.8 | 2799.0 |
| 13590.0 | 37.5° | 12005.5 | 9000.6  | 3809.8 | 2766.6 | 2748.1 | 2743.5 | 2745.8 | 2715.7 | 2634.7 | 2537.6 |
| 14737.4 | 40°   | 12734.1 | 9125.6  | 3506.8 | 2704.1 | 2690.2 | 2718.0 | 2704.1 | 2623.2 | 2401.1 | 2232.2 |
| 16148.4 | 42.5° | 13712.6 | 9481.8  | 3312.5 | 2627.8 | 2669.4 | 2704.1 | 2648.6 | 2368.7 | 2218.4 | 2105.0 |
| 17756.1 | 45°   | 14864.6 | 10060.1 | 3213.0 | 2546.8 | 2630.1 | 2671.7 | 2403.4 | 2280.8 | 2160.5 | 2024.0 |
| 19509.5 | 47.5° | 16169.2 | 10788.8 | 3189.9 | 2470.5 | 2542.2 | 2567.6 | 2299.3 | 2243.8 | 2107.3 | 1959.3 |
| 21272.2 | 50°   | 17589.5 | 11651.6 | 3252.4 | 2380.3 | 2415.0 | 2327.1 | 2264.6 | 2213.7 | 2072.6 | 1926.9 |
| 23078.8 | 52.5° | 19058.4 | 12602.3 | 3377.3 | 2257.7 | 2287.8 | 2190.6 | 2250.7 | 2206.8 | 2051.8 | 1855.2 |
| 24945.5 | 55°   | 20501.9 | 13560.0 | 3497.6 | 2114.3 | 2158.2 | 2068.0 | 2211.4 | 2179.0 | 1957.0 | 1734.9 |
| 26937.2 | 57.5° | 21968.4 | 14513.0 | 3615.5 | 1987.0 | 2033.3 | 1950.0 | 2149.0 | 2105.0 | 1850.6 | 1623.9 |
| 29111.6 | 60°   | 23492.8 | 15438.3 | 3671.0 | 1864.4 | 1896.8 | 1841.3 | 2054.1 | 1977.8 | 1730.3 | 1510.5 |
| 31249.0 | 62.5° | 24920.1 | 16208.6 | 3580.8 | 1741.8 | 1762.7 | 1739.5 | 1929.2 | 1827.4 | 1610.0 | 1383.3 |
| 33476.6 | 65°   | 26351.9 | 16666.6 | 3303.2 | 1621.6 | 1626.2 | 1614.6 | 1753.4 | 1665.5 | 1468.9 | 1272.3 |
| 35426.6 | 67.5° | 27649.6 | 16923.3 | 2861.4 | 1492.0 | 1480.4 | 1475.8 | 1589.2 | 1489.7 | 1332.4 | 1161.2 |
| 36909.4 | 70°   | 27924.9 | 16271.0 | 2186.0 | 1339.3 | 1339.3 | 1327.8 | 1408.7 | 1307.0 | 1182.0 | 1043.3 |
| 35847.6 | 72.5° | 25505.3 | 13687.2 | 1552.2 | 1165.9 | 1184.4 | 1161.2 | 1228.3 | 1142.7 | 1029.4 | 936.8  |
| 30895.1 | 75°   | 20566.6 | 10037.0 | 1128.8 | 987.7  | 1020.1 | 980.8  | 1043.3 | 983.1  | 886.0  | 883.6  |
| 21290.7 | 77.5° | 14131.3 | 6206.3  | 818.9  | 814.2  | 837.4  | 786.5  | 858.2  | 825.8  | 737.9  | 698.6  |
| 9266.7  | 80°   | 6030.5  | 2475.1  | 596.8  | 629.2  | 629.2  | 582.9  | 666.2  | 675.5  | 599.1  | 580.6  |
| 1788.1  | 82.5° | 1200.5  | 703.2   | 418.7  | 432.6  | 407.1  | 393.2  | 471.9  | 522.8  | 721.7  | 802.7  |
| 539.0   | 85°   | 360.9   | 259.1   | 252.1  | 235.9  | 208.2  | 210.5  | 277.6  | 525.1  | 647.7  | 370.1  |
| 178.1   | 87.5° | 99.5    | 64.8    | 67.1   | 53.2   | 44.0   | 57.8   | 94.8   | 397.9  | 217.4  | 92.5   |
| 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°   |
|--------|
| 8778.6 |
| 8498.7 |
| 7756.1 |
| 6551.0 |
| 5230.1 |
| 4383.5 |
| 3833.0 |
| 3668.7 |
| 3604.0 |
| 3455.9 |
| 3287.1 |
| 3196.8 |
| 3150.6 |
| 3071.9 |
| 2831.4 |
| 2539.9 |
| 2227.6 |
| 2100.4 |
| 2014.8 |
| 1947.7 |
| 1910.7 |
| 1841.3 |
| 1723.3 |
| 1619.2 |
| 1503.6 |
| 1381.0 |
| 1258.4 |
| 1147.3 |
| 1038.6 |
| 909.1  |
| 795.7  |
| 654.6  |
| 580.6  |
| 805.0  |
| 319.2  |
| 78.6   |
| 0.0    |

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