

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: P951304

Luminaire Tested: **GLAN-SB5C-730-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951304  
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-SB5C-730-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 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: 37602 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

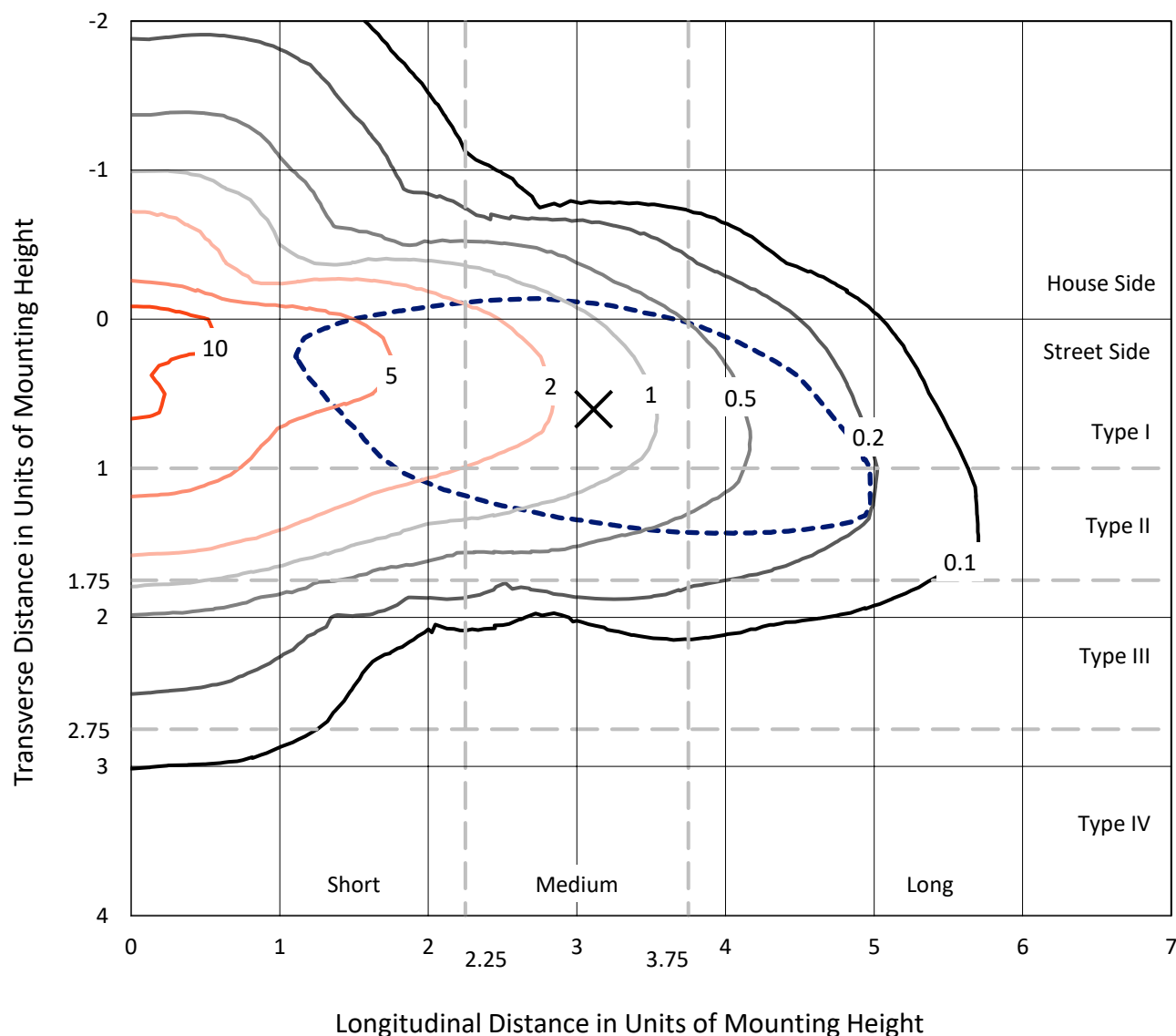
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

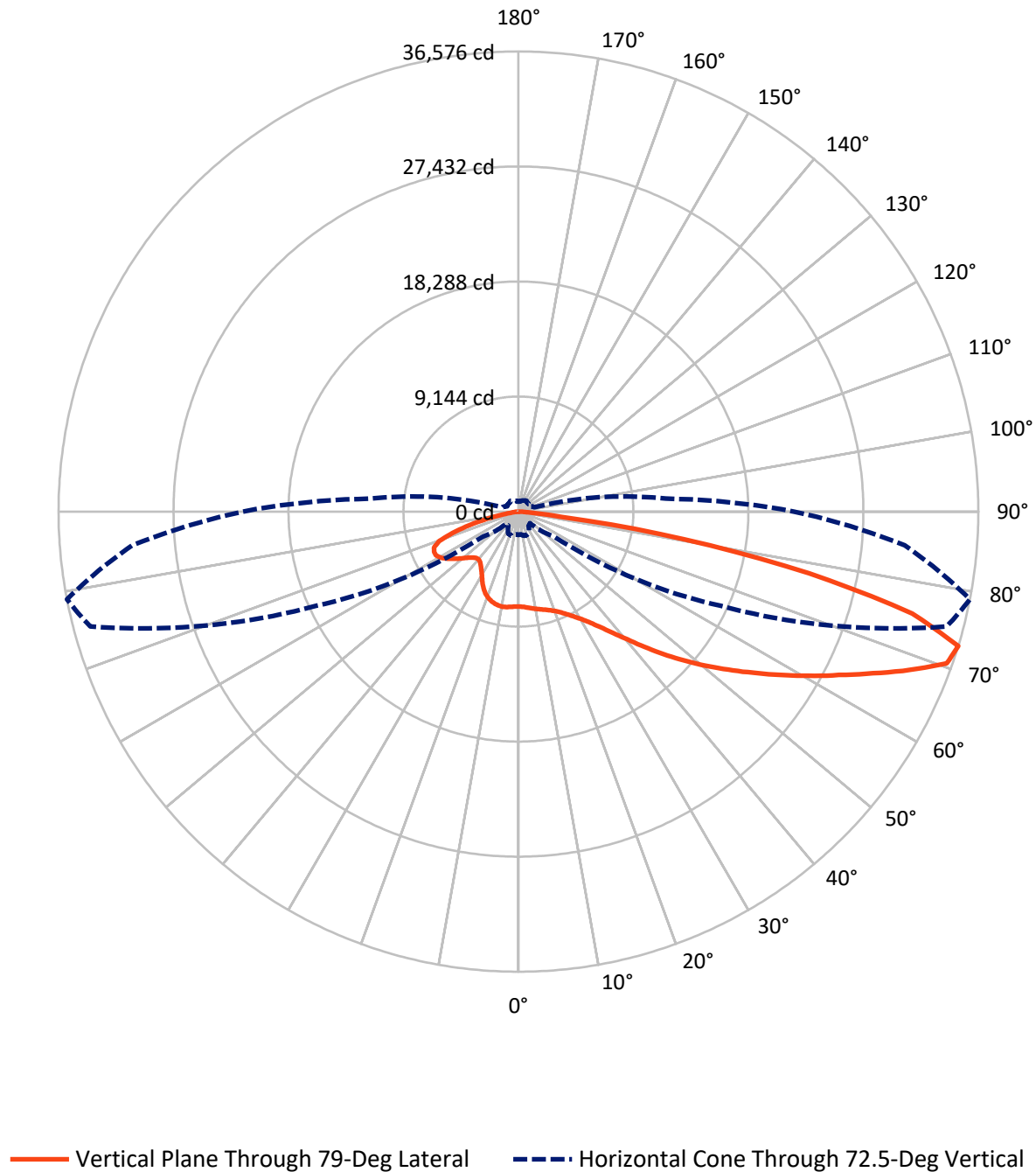
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8274.5   | 0.0    | 8274.5  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 29327.5  | 0.0    | 29327.5 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 37602.0  | 0.0    | 37602.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 685.2   | 1.8       |
| 10°-20°   | 1791.4  | 4.8       |
| 20°-30°   | 2890.5  | 7.7       |
| 30°-40°   | 4338.3  | 11.5      |
| 40°-50°   | 6154.1  | 16.4      |
| 50°-60°   | 7771.8  | 20.7      |
| 60°-70°   | 7893.3  | 21.0      |
| 70°-80°   | 5379.6  | 14.3      |
| 80°-90°   | 698.0   | 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°    | 37602.0 | 100.0     |
| 0°-180°   | 37602.0 | 100.0     |

**Coefficient of Utilization**



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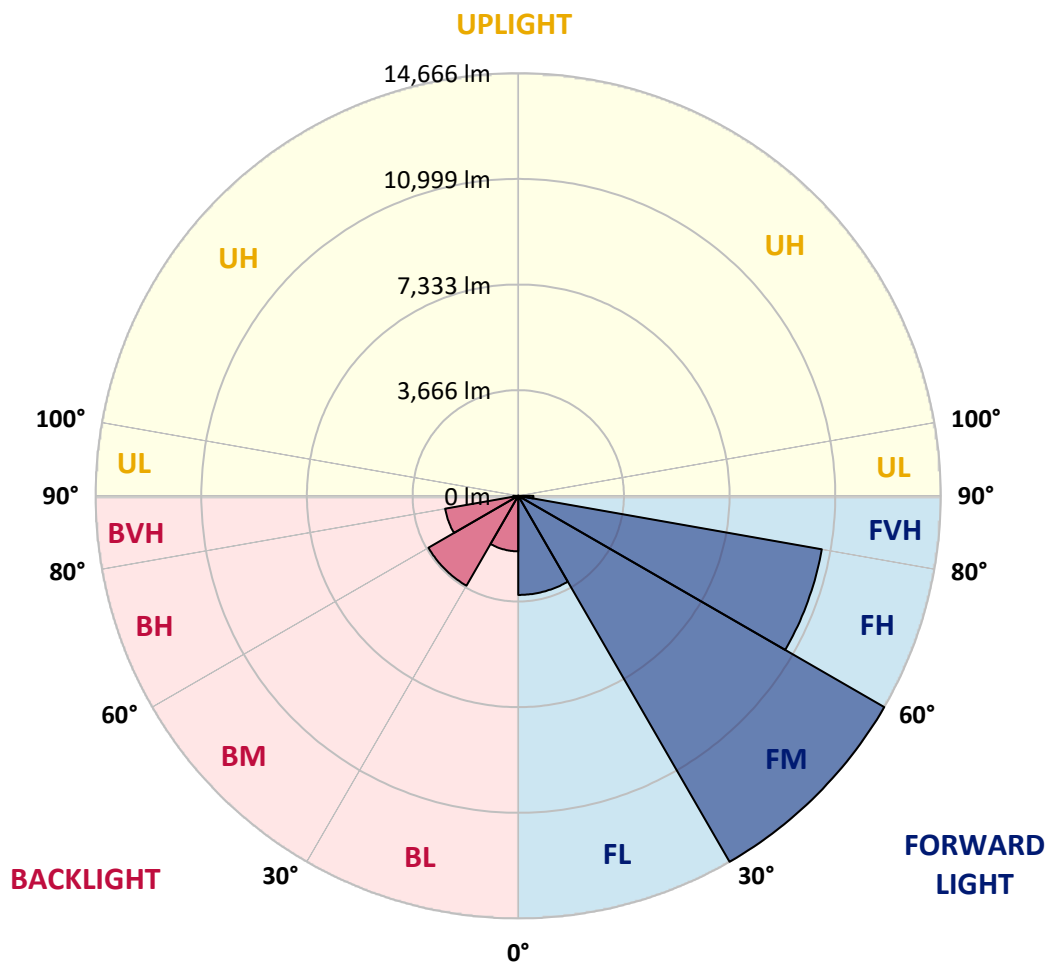
CATALOG NUMBER: GLAN-SB5C-730-U-SL2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3439.7  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 14665.5 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 10696.5 | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 525.8   | 1.4       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1927.4  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3598.5  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2576.4  | 6.9       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 172.2   | 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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  | 7548.2  |
| 2.5°  | 7552.2  | 7516.4  | 7538.3  | 7530.3  | 7540.3  | 7552.2  | 7556.2  | 7562.2  | 7582.1  | 7580.1  |
| 5°    | 7536.3  | 7500.5  | 7530.3  | 7520.4  | 7546.3  | 7574.1  | 7598.0  | 7619.8  | 7651.7  | 7665.6  |
| 7.5°  | 7502.5  | 7478.6  | 7508.5  | 7538.3  | 7586.0  | 7627.8  | 7661.6  | 7711.3  | 7757.1  | 7765.0  |
| 10°   | 7305.6  | 7287.7  | 7357.3  | 7434.9  | 7566.1  | 7679.5  | 7753.1  | 7810.8  | 7860.5  | 7868.5  |
| 12.5° | 7100.7  | 7078.8  | 7156.4  | 7261.8  | 7474.7  | 7679.5  | 7834.7  | 7910.2  | 7954.0  | 7979.9  |
| 15°   | 7066.9  | 7049.0  | 7092.8  | 7184.3  | 7361.3  | 7625.8  | 7890.4  | 8029.6  | 8067.4  | 8097.2  |
| 17.5° | 7230.0  | 7196.2  | 7214.1  | 7245.9  | 7349.3  | 7576.1  | 7934.1  | 8164.8  | 8222.5  | 8254.3  |
| 20°   | 7607.9  | 7560.2  | 7532.3  | 7468.7  | 7450.8  | 7584.0  | 7930.1  | 8327.9  | 8403.5  | 8443.3  |
| 22.5° | 8111.1  | 8079.3  | 8019.6  | 7858.5  | 7683.5  | 7681.5  | 8005.7  | 8536.8  | 8678.0  | 8715.8  |
| 25°   | 8719.8  | 8672.0  | 8596.4  | 8377.7  | 8041.5  | 7874.4  | 8133.0  | 8803.3  | 9040.0  | 9049.9  |
| 27.5° | 9419.9  | 9348.3  | 9244.9  | 8956.5  | 8503.0  | 8176.8  | 8327.9  | 9109.6  | 9455.7  | 9451.7  |
| 30°   | 10157.8 | 10086.2 | 9976.8  | 9626.7  | 9055.9  | 8584.5  | 8598.4  | 9439.8  | 9949.0  | 9927.1  |
| 32.5° | 10696.8 | 10643.1 | 10621.2 | 10350.7 | 9692.4  | 9065.8  | 8908.7  | 9805.8  | 10557.6 | 10537.7 |
| 35°   | 11110.5 | 11040.9 | 11066.8 | 10929.5 | 10386.5 | 9604.9  | 9288.6  | 10241.3 | 11297.5 | 11295.5 |
| 37.5° | 11520.3 | 11458.6 | 11480.5 | 11389.0 | 11029.0 | 10289.1 | 9752.1  | 10774.4 | 12214.4 | 12258.2 |
| 40°   | 11894.2 | 11828.6 | 11916.1 | 11830.6 | 11528.2 | 11017.1 | 10279.1 | 11377.1 | 13276.6 | 13360.1 |
| 42.5° | 12119.0 | 12067.2 | 12212.4 | 12214.4 | 11961.8 | 11631.7 | 10857.9 | 12041.4 | 14505.8 | 14692.7 |
| 45°   | 12196.5 | 12178.6 | 12397.4 | 12443.2 | 12345.7 | 11987.7 | 11379.1 | 12765.4 | 15830.4 | 16164.6 |
| 47.5° | 12113.0 | 12079.2 | 12381.5 | 12550.6 | 12628.1 | 12154.8 | 11810.7 | 13549.0 | 17182.9 | 17672.2 |
| 50°   | 11691.3 | 11625.7 | 12075.2 | 12431.2 | 12707.7 | 12264.2 | 12246.3 | 14454.0 | 18720.4 | 19255.5 |
| 52.5° | 10933.5 | 10883.8 | 11395.0 | 12013.5 | 12532.7 | 12317.9 | 12735.5 | 15442.6 | 20180.4 | 20872.5 |
| 55°   | 9964.9  | 9899.2  | 10462.1 | 11269.7 | 12097.1 | 12300.0 | 13224.8 | 16548.5 | 21902.8 | 22605.0 |
| 57.5° | 8429.4  | 8298.1  | 9010.2  | 9964.9  | 11387.0 | 12278.1 | 13734.0 | 17648.4 | 23653.2 | 24494.5 |
| 60°   | 6189.8  | 5994.8  | 6868.0  | 7999.7  | 9998.7  | 12065.3 | 14364.5 | 18881.5 | 25753.5 | 26511.3 |
| 62.5° | 3604.1  | 3490.7  | 4061.5  | 5117.7  | 7536.3  | 10812.2 | 14718.6 | 20315.6 | 27818.1 | 28613.7 |
| 65°   | 2798.5  | 2766.7  | 2816.4  | 2898.0  | 4194.8  | 8095.2  | 13626.6 | 21713.9 | 30443.6 | 31000.5 |
| 67.5° | 2559.8  | 2536.0  | 2557.9  | 2404.7  | 2128.2  | 4509.1  | 10780.4 | 22067.9 | 33256.0 | 33594.2 |
| 70°   | 2275.4  | 2247.6  | 2319.2  | 2187.9  | 1674.7  | 2050.7  | 6965.5  | 20783.0 | 35493.7 | 36128.1 |
| 72.5° | 1853.7  | 1821.9  | 1989.0  | 1929.3  | 1410.2  | 1316.7  | 3498.6  | 17729.9 | 35259.0 | 36575.7 |
| 75°   | 1424.1  | 1406.2  | 1605.1  | 1654.8  | 1149.6  | 1036.3  | 1678.7  | 13179.1 | 31028.4 | 32355.0 |
| 77.5° | 1105.9  | 1092.0  | 1193.4  | 1374.4  | 926.9   | 803.6   | 1032.3  | 8359.8  | 23382.6 | 23615.4 |
| 80°   | 829.4   | 789.6   | 883.1   | 1064.1  | 722.0   | 586.8   | 700.1   | 4875.0  | 14780.2 | 13397.9 |
| 82.5° | 519.1   | 499.2   | 576.8   | 710.1   | 509.2   | 403.8   | 455.5   | 2693.1  | 5923.2  | 3488.7  |
| 85°   | 296.4   | 288.4   | 314.3   | 405.8   | 276.5   | 232.7   | 260.6   | 1189.4  | 1082.0  | 743.9   |
| 87.5° | 119.3   | 115.4   | 143.2   | 181.0   | 101.4   | 85.5    | 91.5    | 286.4   | 238.7   | 220.8   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7548.2  | 0°    | 7548.2  | 7548.2  | 7548.2 | 7548.2 | 7548.2 | 7548.2 | 7548.2 | 7548.2 | 7548.2 | 7548.2 |
| 7578.1  | 2.5°  | 7570.1  | 7570.1  | 7542.3 | 7498.5 | 7448.8 | 7417.0 | 7365.3 | 7351.3 | 7297.6 | 7281.7 |
| 7645.7  | 5°    | 7661.6  | 7645.7  | 7560.2 | 7436.9 | 7267.8 | 7112.7 | 6941.6 | 6834.2 | 6683.0 | 6629.3 |
| 7779.0  | 7.5°  | 7777.0  | 7733.2  | 7586.0 | 7315.5 | 6961.5 | 6613.4 | 6251.4 | 5976.9 | 5714.4 | 5620.9 |
| 7888.4  | 10°   | 7882.4  | 7820.7  | 7570.1 | 7096.7 | 6484.1 | 5881.5 | 5304.7 | 4900.9 | 4594.6 | 4469.3 |
| 8009.7  | 12.5° | 7987.8  | 7874.4  | 7464.7 | 6732.8 | 5805.9 | 4988.4 | 4373.8 | 4059.5 | 3870.6 | 3719.4 |
| 8109.1  | 15°   | 8087.3  | 7928.1  | 7301.6 | 6245.5 | 5062.0 | 4232.6 | 3779.1 | 3528.5 | 3377.3 | 3277.9 |
| 8254.3  | 17.5° | 8202.6  | 7973.9  | 7057.0 | 5626.9 | 4353.9 | 3709.5 | 3339.5 | 3188.4 | 3158.5 | 3146.6 |
| 8453.2  | 20°   | 8363.7  | 8015.7  | 6734.7 | 4934.7 | 3832.8 | 3291.8 | 3100.8 | 3086.9 | 3084.9 | 3079.0 |
| 8691.9  | 22.5° | 8536.8  | 8065.4  | 6309.1 | 4306.2 | 3389.3 | 3031.2 | 2997.4 | 2969.6 | 2951.7 | 2949.7 |
| 8980.3  | 25°   | 8741.6  | 8081.3  | 5776.0 | 3791.0 | 3011.3 | 2907.9 | 2868.1 | 2826.4 | 2814.4 | 2814.4 |
| 9308.5  | 27.5° | 8940.5  | 8027.6  | 5155.5 | 3343.5 | 2798.5 | 2794.5 | 2742.8 | 2728.9 | 2726.9 | 2732.9 |
| 9682.4  | 30°   | 9139.4  | 7926.2  | 4538.9 | 2929.8 | 2675.2 | 2675.2 | 2657.3 | 2667.2 | 2675.2 | 2695.1 |
| 10195.6 | 32.5° | 9408.0  | 7818.7  | 4023.7 | 2623.5 | 2567.8 | 2547.9 | 2565.8 | 2585.7 | 2593.7 | 2619.5 |
| 10869.9 | 35°   | 9801.8  | 7743.2  | 3614.0 | 2456.4 | 2456.4 | 2430.6 | 2440.5 | 2436.5 | 2418.6 | 2406.7 |
| 11685.4 | 37.5° | 10322.9 | 7739.2  | 3275.9 | 2378.8 | 2362.9 | 2359.0 | 2360.9 | 2335.1 | 2265.5 | 2181.9 |
| 12671.9 | 40°   | 10949.4 | 7846.6  | 3015.3 | 2325.1 | 2313.2 | 2337.1 | 2325.1 | 2255.5 | 2064.6 | 1919.4 |
| 13885.2 | 42.5° | 11790.8 | 8152.9  | 2848.2 | 2259.5 | 2295.3 | 2325.1 | 2277.4 | 2036.7 | 1907.4 | 1810.0 |
| 15267.5 | 45°   | 12781.3 | 8650.1  | 2762.7 | 2189.9 | 2261.5 | 2297.3 | 2066.6 | 1961.2 | 1857.7 | 1740.4 |
| 16775.2 | 47.5° | 13903.1 | 9276.7  | 2742.8 | 2124.2 | 2185.9 | 2207.8 | 1977.1 | 1929.3 | 1812.0 | 1684.7 |
| 18290.8 | 50°   | 15124.3 | 10018.6 | 2796.5 | 2046.7 | 2076.5 | 2000.9 | 1947.2 | 1903.5 | 1782.1 | 1656.8 |
| 19844.2 | 52.5° | 16387.3 | 10836.1 | 2903.9 | 1941.3 | 1967.1 | 1883.6 | 1935.3 | 1897.5 | 1764.2 | 1595.2 |
| 21449.3 | 55°   | 17628.5 | 11659.5 | 3007.4 | 1817.9 | 1855.7 | 1778.2 | 1901.5 | 1873.6 | 1682.7 | 1491.7 |
| 23161.9 | 57.5° | 18889.5 | 12479.0 | 3108.8 | 1708.5 | 1748.3 | 1676.7 | 1847.8 | 1810.0 | 1591.2 | 1396.3 |
| 25031.5 | 60°   | 20200.3 | 13274.6 | 3156.5 | 1603.1 | 1631.0 | 1583.2 | 1766.2 | 1700.6 | 1487.8 | 1298.8 |
| 26869.4 | 62.5° | 21427.5 | 13936.9 | 3079.0 | 1497.7 | 1515.6 | 1495.7 | 1658.8 | 1571.3 | 1384.3 | 1189.4 |
| 28784.8 | 65°   | 22658.7 | 14330.7 | 2840.3 | 1394.3 | 1398.3 | 1388.3 | 1507.7 | 1432.1 | 1263.0 | 1093.9 |
| 30461.5 | 67.5° | 23774.5 | 14551.5 | 2460.4 | 1282.9 | 1273.0 | 1269.0 | 1366.4 | 1280.9 | 1145.7 | 998.5  |
| 31736.4 | 70°   | 24011.2 | 13990.6 | 1879.6 | 1151.6 | 1151.6 | 1141.7 | 1211.3 | 1123.8 | 1016.4 | 897.0  |
| 30823.5 | 72.5° | 21930.7 | 11768.9 | 1334.6 | 1002.5 | 1018.4 | 998.5  | 1056.2 | 982.6  | 885.1  | 805.5  |
| 26565.0 | 75°   | 17684.2 | 8630.3  | 970.6  | 849.3  | 877.1  | 843.3  | 897.0  | 845.3  | 761.8  | 759.8  |
| 18306.7 | 77.5° | 12150.8 | 5336.5  | 704.1  | 700.1  | 720.0  | 676.3  | 737.9  | 710.1  | 634.5  | 600.7  |
| 7967.9  | 80°   | 5185.3  | 2128.2  | 513.2  | 541.0  | 541.0  | 501.2  | 572.8  | 580.8  | 515.2  | 499.2  |
| 1537.5  | 82.5° | 1032.3  | 604.7   | 360.0  | 371.9  | 350.1  | 338.1  | 405.8  | 449.5  | 620.6  | 690.2  |
| 463.4   | 85°   | 310.3   | 222.8   | 216.8  | 202.9  | 179.0  | 181.0  | 238.7  | 451.5  | 556.9  | 318.2  |
| 153.2   | 87.5° | 85.5    | 55.7    | 57.7   | 45.7   | 37.8   | 49.7   | 81.5   | 342.1  | 187.0  | 79.6   |
| 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°   |
|--------|
| 7548.2 |
| 7307.6 |
| 6669.1 |
| 5632.8 |
| 4497.1 |
| 3769.1 |
| 3295.8 |
| 3154.5 |
| 3098.9 |
| 2971.6 |
| 2826.4 |
| 2748.8 |
| 2709.0 |
| 2641.4 |
| 2434.5 |
| 2183.9 |
| 1915.4 |
| 1806.0 |
| 1732.4 |
| 1674.7 |
| 1642.9 |
| 1583.2 |
| 1481.8 |
| 1392.3 |
| 1292.8 |
| 1187.4 |
| 1082.0 |
| 986.5  |
| 893.1  |
| 781.7  |
| 684.2  |
| 562.9  |
| 499.2  |
| 692.2  |
| 274.5  |
| 67.6   |
| 0.0    |