

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: P942575

Luminaire Tested: **GLAN-SB6C-927-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

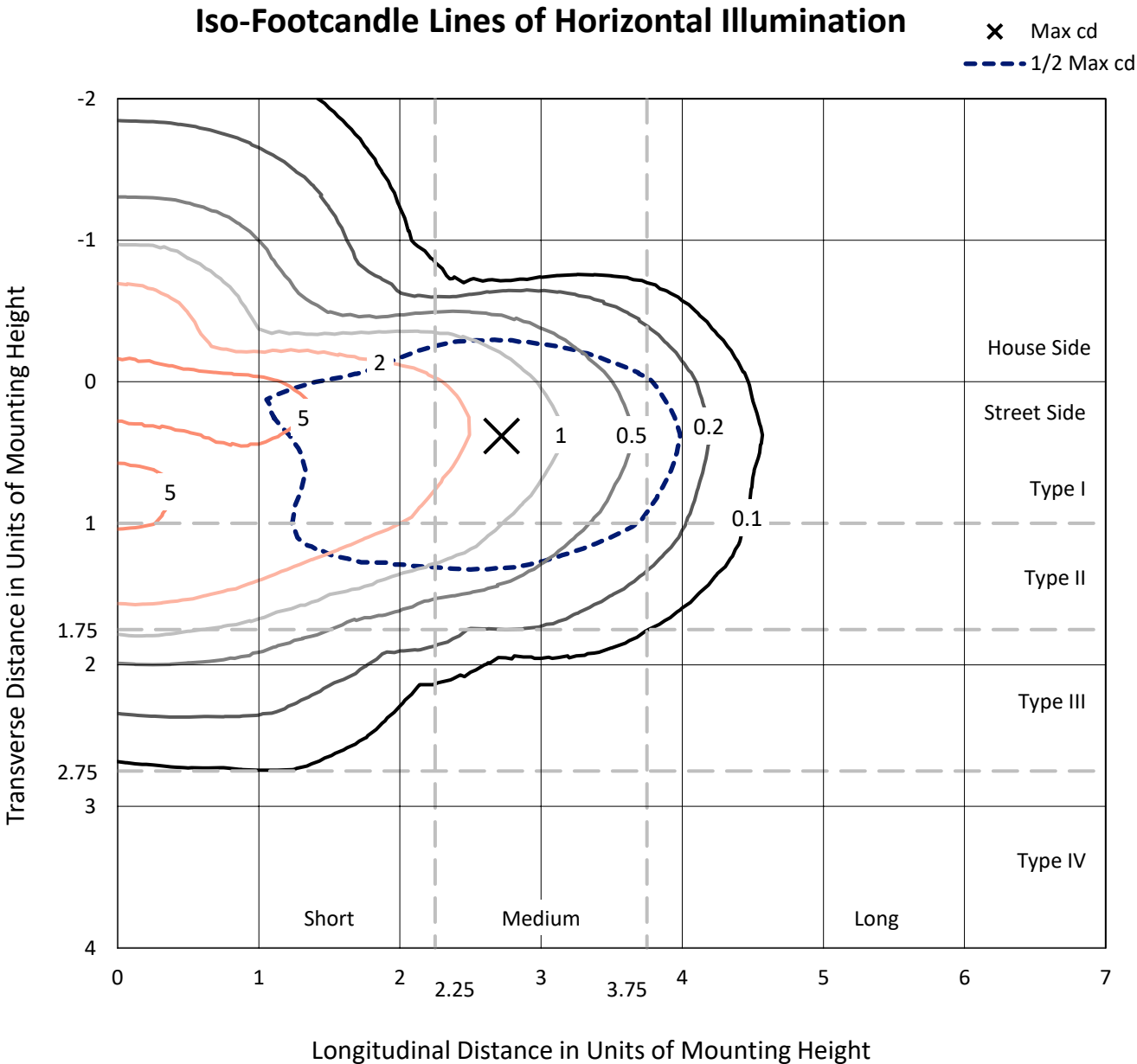
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27390 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9  
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



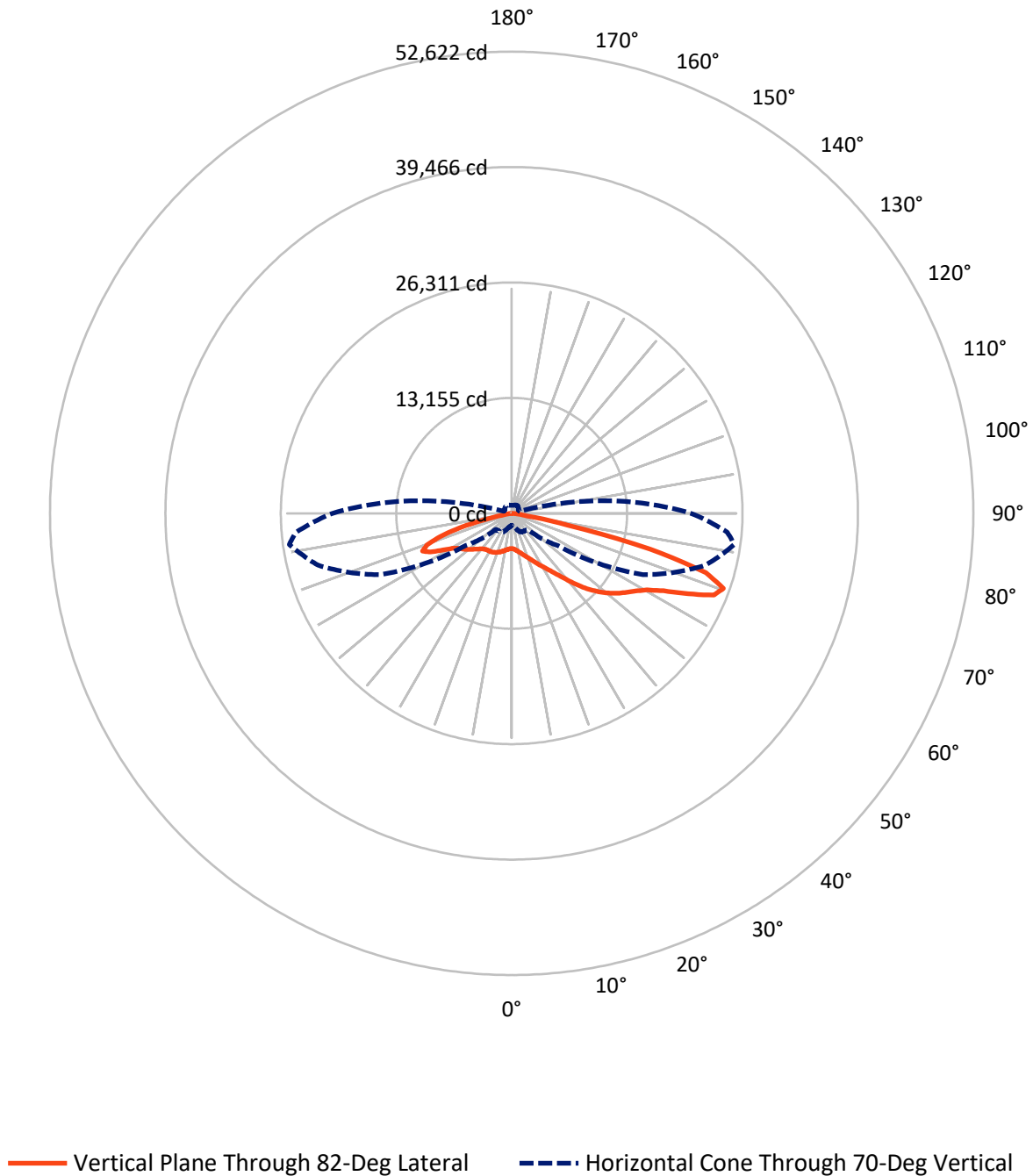
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Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6752.3   | 0.0    | 6752.3  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 20637.7  | 0.0    | 20637.7 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 27390.0  | 0.0    | 27390.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 379.2   | 1.4       |
| 10°-20°   | 1089.3  | 4.0       |
| 20°-30°   | 1822.3  | 6.7       |
| 30°-40°   | 2847.0  | 10.4      |
| 40°-50°   | 4534.1  | 16.6      |
| 50°-60°   | 6309.8  | 23.0      |
| 60°-70°   | 6600.3  | 24.1      |
| 70°-80°   | 3449.7  | 12.6      |
| 80°-90°   | 358.2   | 1.3       |
| 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°    | 27390.0 | 100.0     |
| 0°-180°   | 27390.0 | 100.0     |

**Coefficient of Utilization**



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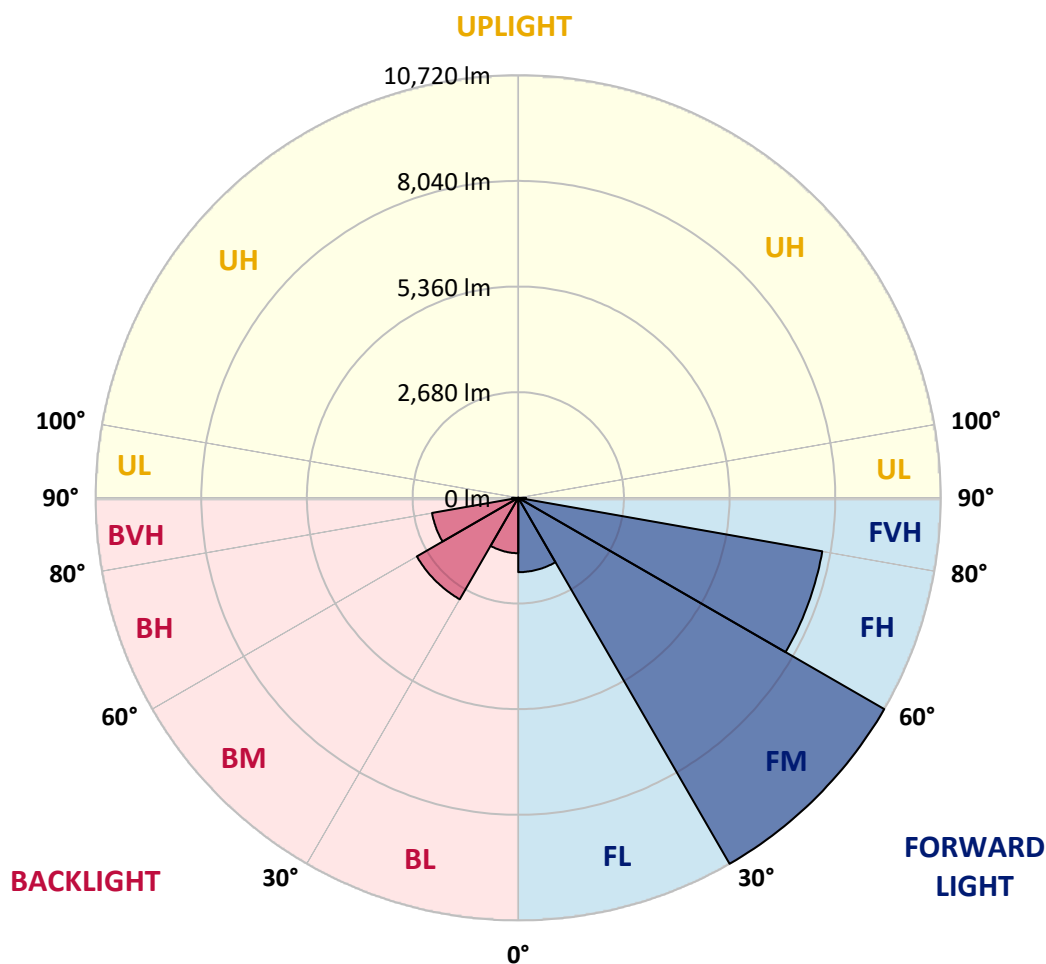
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1886.1  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 10720.2 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 7830.9  | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 200.5   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1404.7  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2970.7  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2219.2  | 8.1       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 157.7   | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  | 4015.7  |
| 2.5°  | 4111.6  | 4134.9  | 4127.6  | 4120.4  | 4120.4  | 4110.2  | 4108.7  | 4094.2  | 4082.6  | 4063.7  |
| 5°    | 4164.0  | 4188.7  | 4185.8  | 4191.6  | 4210.5  | 4214.8  | 4219.2  | 4210.5  | 4187.2  | 4164.0  |
| 7.5°  | 4117.5  | 4145.1  | 4153.8  | 4188.7  | 4246.8  | 4299.1  | 4338.4  | 4354.4  | 4332.6  | 4299.1  |
| 10°   | 3960.5  | 3991.0  | 4021.5  | 4104.4  | 4207.6  | 4331.1  | 4435.7  | 4498.2  | 4493.9  | 4461.9  |
| 12.5° | 3642.2  | 3674.2  | 3739.6  | 3900.9  | 4089.8  | 4307.8  | 4502.6  | 4633.4  | 4678.5  | 4655.2  |
| 15°   | 3387.9  | 3415.5  | 3464.9  | 3630.6  | 3876.2  | 4207.6  | 4527.3  | 4781.7  | 4896.5  | 4883.4  |
| 17.5° | 3380.6  | 3392.2  | 3422.7  | 3501.2  | 3690.2  | 4050.6  | 4501.1  | 4927.0  | 5146.5  | 5145.0  |
| 20°   | 3508.5  | 3512.8  | 3530.3  | 3546.3  | 3653.8  | 3931.4  | 4434.3  | 5047.6  | 5427.0  | 5427.0  |
| 22.5° | 3685.8  | 3682.9  | 3700.3  | 3685.8  | 3738.1  | 3921.2  | 4392.1  | 5153.7  | 5739.4  | 5762.7  |
| 25°   | 3951.8  | 3937.2  | 3932.9  | 3899.4  | 3909.6  | 4015.7  | 4438.7  | 5274.4  | 6110.1  | 6158.0  |
| 27.5° | 4306.4  | 4283.1  | 4267.2  | 4190.1  | 4164.0  | 4210.5  | 4581.1  | 5419.7  | 6522.8  | 6605.7  |
| 30°   | 4768.6  | 4726.4  | 4703.2  | 4569.5  | 4475.0  | 4482.3  | 4796.2  | 5613.0  | 6954.5  | 7088.2  |
| 32.5° | 5399.3  | 5333.9  | 5271.4  | 5052.0  | 4879.0  | 4822.3  | 5073.8  | 5880.4  | 7422.5  | 7636.1  |
| 35°   | 6105.7  | 6053.4  | 5986.5  | 5647.9  | 5381.9  | 5251.1  | 5448.8  | 6253.9  | 7970.4  | 8309.0  |
| 37.5° | 6785.9  | 6740.8  | 6772.8  | 6316.4  | 5973.4  | 5783.0  | 5940.0  | 6755.4  | 8646.2  | 9146.2  |
| 40°   | 7489.3  | 7454.4  | 7458.8  | 7022.8  | 6623.1  | 6409.4  | 6535.9  | 7384.7  | 9420.9  | 10141.8 |
| 42.5° | 8253.8  | 8227.6  | 8140.4  | 7753.8  | 7304.7  | 7105.6  | 7221.9  | 8111.4  | 10252.2 | 11275.4 |
| 45°   | 9109.8  | 9093.9  | 9012.5  | 8569.2  | 8054.7  | 7830.9  | 7987.8  | 8913.6  | 11087.9 | 12342.2 |
| 47.5° | 9849.6  | 9862.7  | 9852.5  | 9479.0  | 8945.6  | 8617.1  | 8804.6  | 9750.8  | 11865.5 | 13345.0 |
| 50°   | 10205.7 | 10274.0 | 10374.3 | 10258.0 | 9926.7  | 9592.4  | 9628.7  | 10558.9 | 12606.7 | 14285.4 |
| 52.5° | 10019.7 | 10149.0 | 10422.3 | 10608.3 | 10736.2 | 10666.4 | 10569.1 | 11361.1 | 13304.3 | 15134.1 |
| 55°   | 9326.4  | 9508.1  | 9961.5  | 10410.6 | 11063.2 | 11570.4 | 11698.3 | 12250.6 | 13984.5 | 15881.2 |
| 57.5° | 8063.4  | 8358.4  | 8765.4  | 9673.8  | 10772.5 | 12007.9 | 13015.1 | 13484.6 | 14705.4 | 16679.1 |
| 60°   | 5897.9  | 6293.2  | 6799.0  | 8150.6  | 9755.2  | 11773.9 | 14135.7 | 15379.8 | 15730.0 | 17712.5 |
| 62.5° | 3774.5  | 4018.6  | 4483.7  | 5756.9  | 7601.2  | 10574.9 | 14478.7 | 17748.8 | 17466.8 | 19407.1 |
| 65°   | 2584.1  | 2741.1  | 3166.9  | 3882.0  | 4913.9  | 7871.6  | 13560.1 | 19524.8 | 20225.4 | 22093.0 |
| 67.5° | 1877.8  | 1997.0  | 2360.3  | 2986.7  | 3201.8  | 4658.1  | 10522.5 | 19443.5 | 22906.9 | 24860.2 |
| 70°   | 1369.1  | 1453.4  | 1758.6  | 2360.3  | 2463.5  | 2591.4  | 6374.6  | 16528.0 | 22848.7 | 25595.7 |
| 72.5° | 1014.5  | 1072.6  | 1277.5  | 1831.3  | 1994.1  | 1749.9  | 3155.3  | 12012.3 | 19633.8 | 23151.0 |
| 75°   | 734.0   | 777.6   | 928.7   | 1401.1  | 1595.8  | 1332.8  | 1574.0  | 7019.9  | 13695.3 | 16285.2 |
| 77.5° | 561.0   | 594.4   | 693.3   | 1026.1  | 1277.5  | 999.9   | 976.7   | 3229.4  | 6493.7  | 6525.7  |
| 80°   | 450.6   | 472.4   | 526.1   | 722.3   | 979.6   | 748.5   | 636.6   | 1303.7  | 2052.2  | 1736.8  |
| 82.5° | 331.4   | 367.7   | 444.7   | 507.2   | 700.5   | 516.0   | 388.1   | 658.4   | 780.5   | 671.5   |
| 85°   | 188.9   | 213.6   | 268.9   | 363.3   | 447.6   | 315.4   | 222.4   | 292.1   | 363.3   | 297.9   |
| 87.5° | 66.9    | 87.2    | 94.5    | 142.4   | 194.8   | 130.8   | 85.8    | 84.3    | 119.2   | 88.7    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4015.7  | 0°    | 4015.7  | 4015.7  | 4015.7 | 4015.7 | 4015.7 | 4015.7 | 4015.7 | 4015.7 | 4015.7 | 4015.7 |
| 4059.3  | 2.5°  | 4044.8  | 4037.5  | 4008.4 | 3969.2 | 3928.5 | 3889.3 | 3876.2 | 3848.6 | 3829.7 | 3819.5 |
| 4153.8  | 5°    | 4126.2  | 4102.9  | 4034.6 | 3947.4 | 3855.8 | 3757.0 | 3687.3 | 3623.3 | 3576.8 | 3533.2 |
| 4283.1  | 7.5°  | 4242.4  | 4201.8  | 4084.0 | 3931.4 | 3768.6 | 3604.4 | 3482.3 | 3389.3 | 3326.8 | 3286.1 |
| 4434.3  | 10°   | 4377.6  | 4315.1  | 4134.9 | 3906.7 | 3655.3 | 3419.8 | 3275.9 | 3196.0 | 3156.8 | 3135.0 |
| 4607.2  | 12.5° | 4533.1  | 4444.5  | 4187.2 | 3850.0 | 3482.3 | 3213.4 | 3114.6 | 3091.4 | 3092.8 | 3094.3 |
| 4825.3  | 15°   | 4725.0  | 4601.4  | 4229.4 | 3726.5 | 3257.0 | 3055.0 | 3037.6 | 3075.4 | 3114.6 | 3133.5 |
| 5072.3  | 17.5° | 4941.5  | 4767.1  | 4236.6 | 3523.0 | 3036.1 | 2953.3 | 3008.5 | 3089.9 | 3149.5 | 3175.7 |
| 5348.5  | 20°   | 5174.1  | 4935.7  | 4184.3 | 3235.2 | 2854.5 | 2870.4 | 2969.3 | 3073.9 | 3139.3 | 3172.8 |
| 5663.9  | 22.5° | 5440.0  | 5115.9  | 4059.3 | 2932.9 | 2706.2 | 2780.3 | 2896.6 | 2998.3 | 3066.7 | 3100.1 |
| 6034.5  | 25°   | 5743.8  | 5318.0  | 3863.1 | 2678.6 | 2578.3 | 2678.6 | 2794.9 | 2879.2 | 2934.4 | 2964.9 |
| 6448.7  | 27.5° | 6081.0  | 5528.7  | 3601.5 | 2476.6 | 2466.4 | 2574.0 | 2669.9 | 2735.3 | 2764.3 | 2787.6 |
| 6889.1  | 30°   | 6419.6  | 5720.5  | 3284.7 | 2324.0 | 2369.0 | 2470.8 | 2539.1 | 2568.1 | 2576.9 | 2581.2 |
| 7380.3  | 32.5° | 6785.9  | 5886.2  | 2951.8 | 2197.5 | 2276.0 | 2370.5 | 2411.2 | 2424.3 | 2383.6 | 2355.9 |
| 7976.2  | 35°   | 7229.2  | 6063.5  | 2626.3 | 2097.2 | 2184.4 | 2265.8 | 2278.9 | 2267.3 | 2219.3 | 2162.6 |
| 8723.2  | 37.5° | 7777.1  | 6284.5  | 2366.1 | 2026.0 | 2098.7 | 2152.5 | 2136.5 | 2133.6 | 2137.9 | 2071.1 |
| 9621.4  | 40°   | 8448.6  | 6572.2  | 2175.7 | 1970.8 | 2028.9 | 2040.6 | 1995.5 | 2020.2 | 2042.0 | 1940.3 |
| 10606.8 | 42.5° | 9194.1  | 6919.6  | 2055.1 | 1933.0 | 1970.8 | 1943.2 | 1873.4 | 1901.0 | 1898.1 | 1764.4 |
| 11596.6 | 45°   | 9954.3  | 7297.5  | 2012.9 | 1905.4 | 1917.0 | 1861.8 | 1784.8 | 1792.0 | 1731.0 | 1610.4 |
| 12545.7 | 47.5° | 10710.0 | 7703.0  | 2039.1 | 1882.1 | 1850.2 | 1787.7 | 1728.1 | 1696.1 | 1606.0 | 1515.9 |
| 13455.5 | 50°   | 11451.3 | 8128.8  | 2135.0 | 1835.6 | 1758.6 | 1722.3 | 1678.7 | 1622.0 | 1526.1 | 1449.0 |
| 14315.9 | 52.5° | 12138.7 | 8557.6  | 2242.6 | 1758.6 | 1643.8 | 1665.6 | 1638.0 | 1572.6 | 1478.1 | 1399.6 |
| 15129.8 | 55°   | 12789.8 | 8986.3  | 2284.7 | 1652.5 | 1536.2 | 1616.2 | 1600.2 | 1479.6 | 1366.2 | 1302.2 |
| 15981.5 | 57.5° | 13499.1 | 9502.3  | 2238.2 | 1517.3 | 1449.0 | 1559.5 | 1498.4 | 1364.7 | 1299.3 | 1251.4 |
| 17090.4 | 60°   | 14481.6 | 10311.8 | 2137.9 | 1350.2 | 1366.2 | 1475.2 | 1370.5 | 1315.3 | 1244.1 | 1190.3 |
| 18753.1 | 62.5° | 16113.7 | 11821.9 | 1976.6 | 1184.5 | 1268.8 | 1350.2 | 1309.5 | 1254.3 | 1181.6 | 1129.3 |
| 21595.9 | 65°   | 18526.4 | 13920.6 | 1672.9 | 1055.2 | 1159.8 | 1228.1 | 1244.1 | 1188.9 | 1113.3 | 1058.1 |
| 24087.0 | 67.5° | 20561.1 | 15237.3 | 1265.9 | 947.6  | 1047.9 | 1129.3 | 1174.3 | 1120.6 | 1040.6 | 986.9  |
| 24669.8 | 70°   | 20449.2 | 14281.0 | 966.5  | 841.5  | 949.1  | 1031.9 | 1090.0 | 1047.9 | 962.1  | 911.3  |
| 22408.4 | 72.5° | 18163.0 | 11946.9 | 781.9  | 734.0  | 848.8  | 930.2  | 999.9  | 968.0  | 880.8  | 831.3  |
| 16416.0 | 75°   | 13343.6 | 8480.5  | 625.0  | 625.0  | 723.8  | 824.1  | 901.1  | 880.8  | 800.8  | 765.9  |
| 6892.0  | 77.5° | 5624.6  | 3557.9  | 489.8  | 518.9  | 601.7  | 707.8  | 803.7  | 811.0  | 741.2  | 784.8  |
| 1822.6  | 80°   | 1495.5  | 981.0   | 373.5  | 408.4  | 472.4  | 584.3  | 699.1  | 696.2  | 620.6  | 579.9  |
| 677.3   | 82.5° | 569.7   | 386.6   | 266.0  | 287.8  | 341.5  | 447.6  | 553.7  | 571.2  | 495.6  | 428.8  |
| 266.0   | 85°   | 219.5   | 165.7   | 164.2  | 173.0  | 199.1  | 296.5  | 418.6  | 433.1  | 373.5  | 316.8  |
| 74.1    | 87.5° | 56.7    | 49.4    | 61.0   | 58.1   | 91.6   | 158.4  | 239.8  | 248.5  | 228.2  | 132.3  |
| 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°   |
|--------|
| 4015.7 |
| 3831.1 |
| 3550.6 |
| 3294.8 |
| 3140.8 |
| 3097.2 |
| 3132.1 |
| 3181.5 |
| 3181.5 |
| 3108.8 |
| 2973.6 |
| 2796.3 |
| 2591.4 |
| 2364.7 |
| 2165.6 |
| 2075.4 |
| 1943.2 |
| 1763.0 |
| 1614.7 |
| 1515.9 |
| 1443.2 |
| 1401.1 |
| 1296.4 |
| 1247.0 |
| 1187.4 |
| 1129.3 |
| 1061.0 |
| 988.3  |
| 915.6  |
| 831.3  |
| 755.8  |
| 712.2  |
| 539.2  |
| 428.8  |
| 327.0  |
| 188.9  |
| 0.0    |