

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: P942945

Luminaire Tested: **GLAN-SB7A-940-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942945  
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-SB7A-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 22905 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 199.1  
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

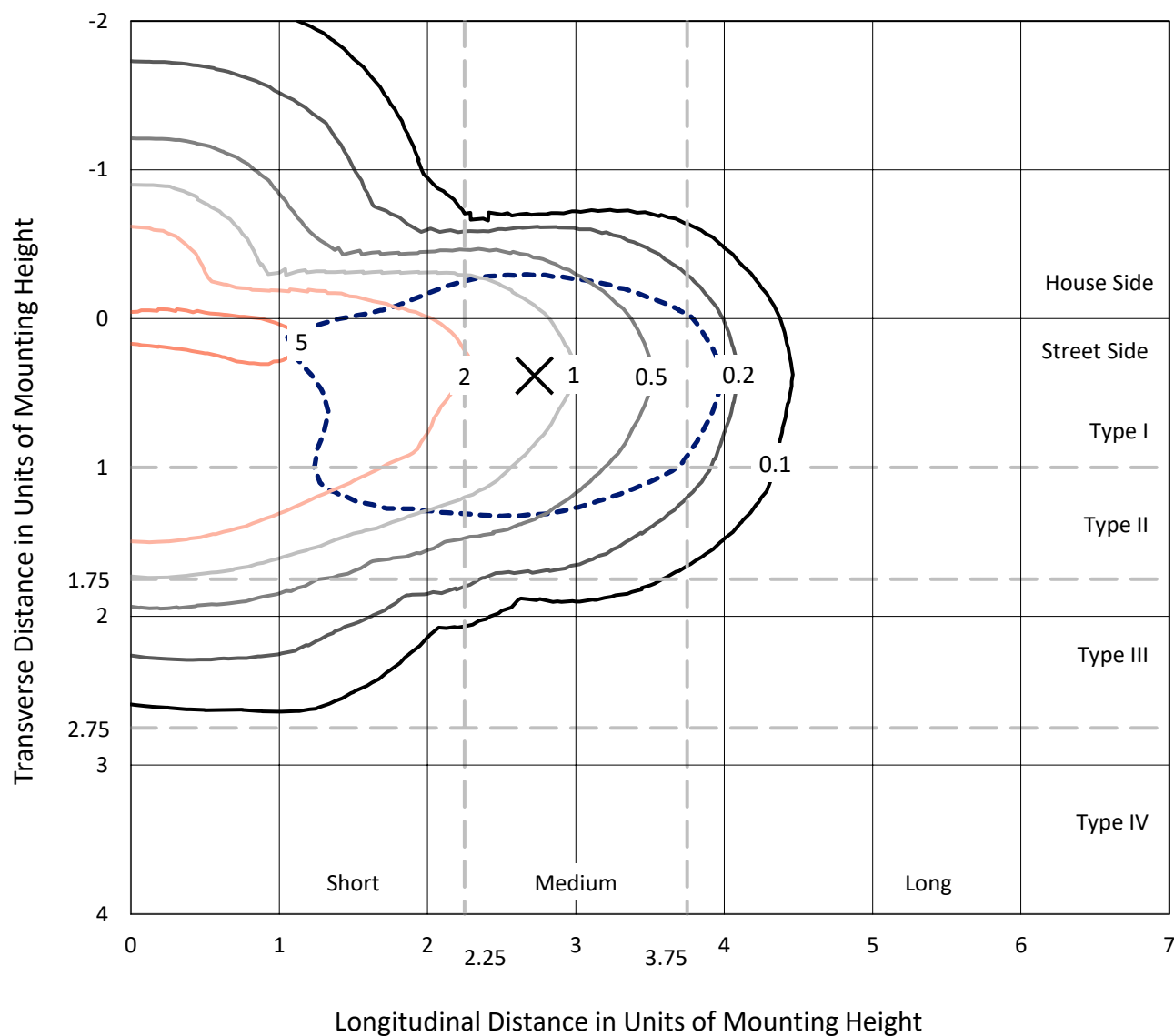


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## Iso-Footcandle Lines of Horizontal Illumination

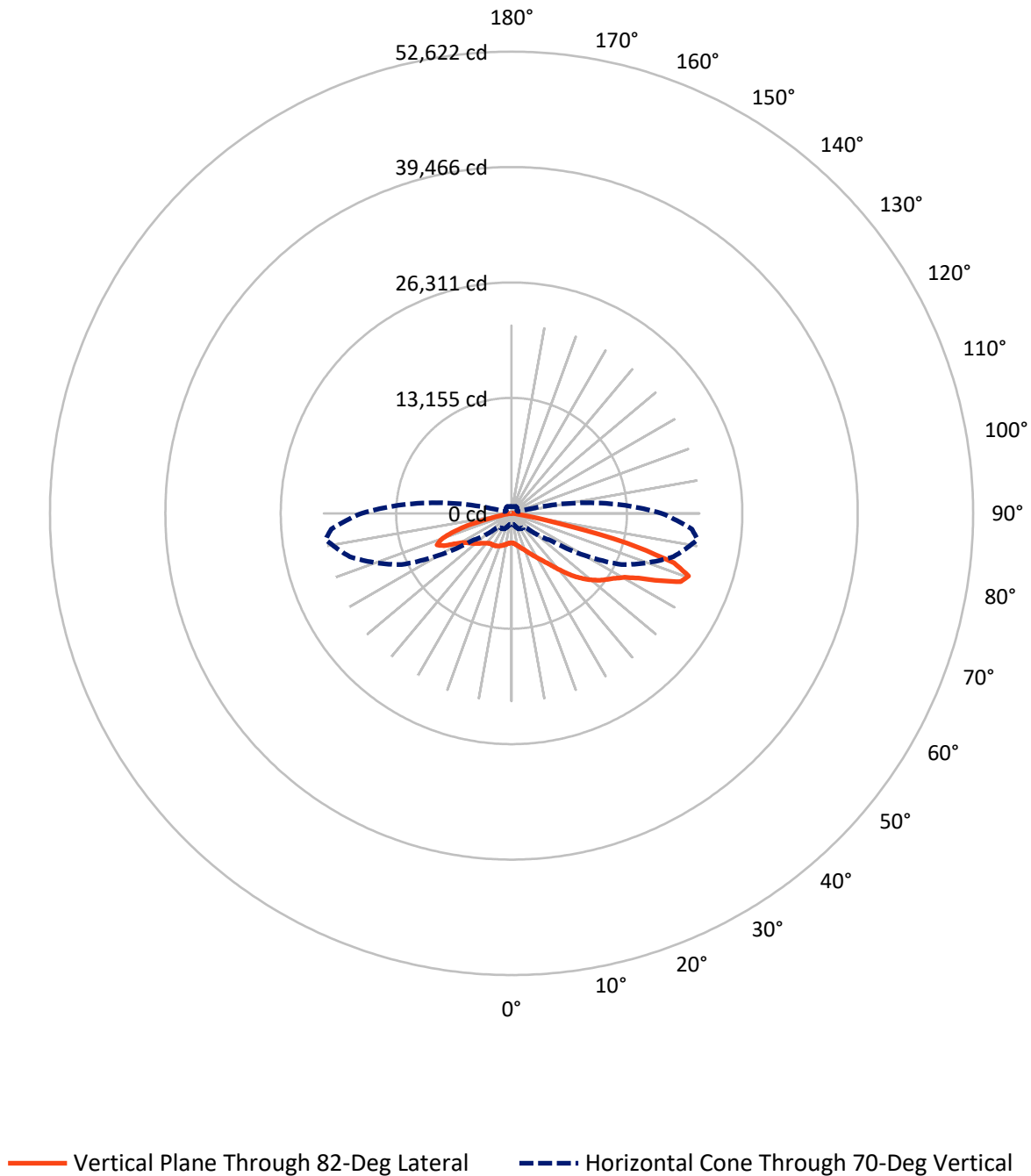
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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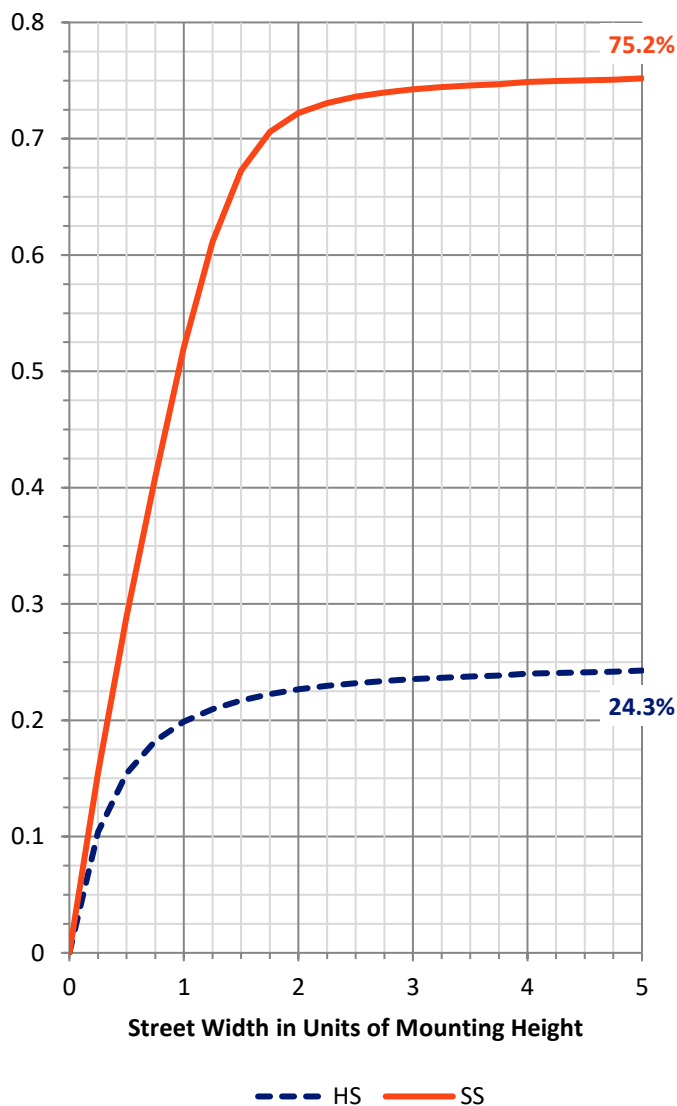
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5646.6   | 0.0    | 5646.6  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 17258.4  | 0.0    | 17258.4 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 22905.0  | 0.0    | 22905.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 317.1   | 1.4       |
| 10°-20°   | 911.0   | 4.0       |
| 20°-30°   | 1523.9  | 6.7       |
| 30°-40°   | 2380.8  | 10.4      |
| 40°-50°   | 3791.7  | 16.6      |
| 50°-60°   | 5276.6  | 23.0      |
| 60°-70°   | 5519.6  | 24.1      |
| 70°-80°   | 2884.8  | 12.6      |
| 80°-90°   | 299.6   | 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°    | 22905.0 | 100.0     |
| 0°-180°   | 22905.0 | 100.0     |

**Coefficient of Utilization**



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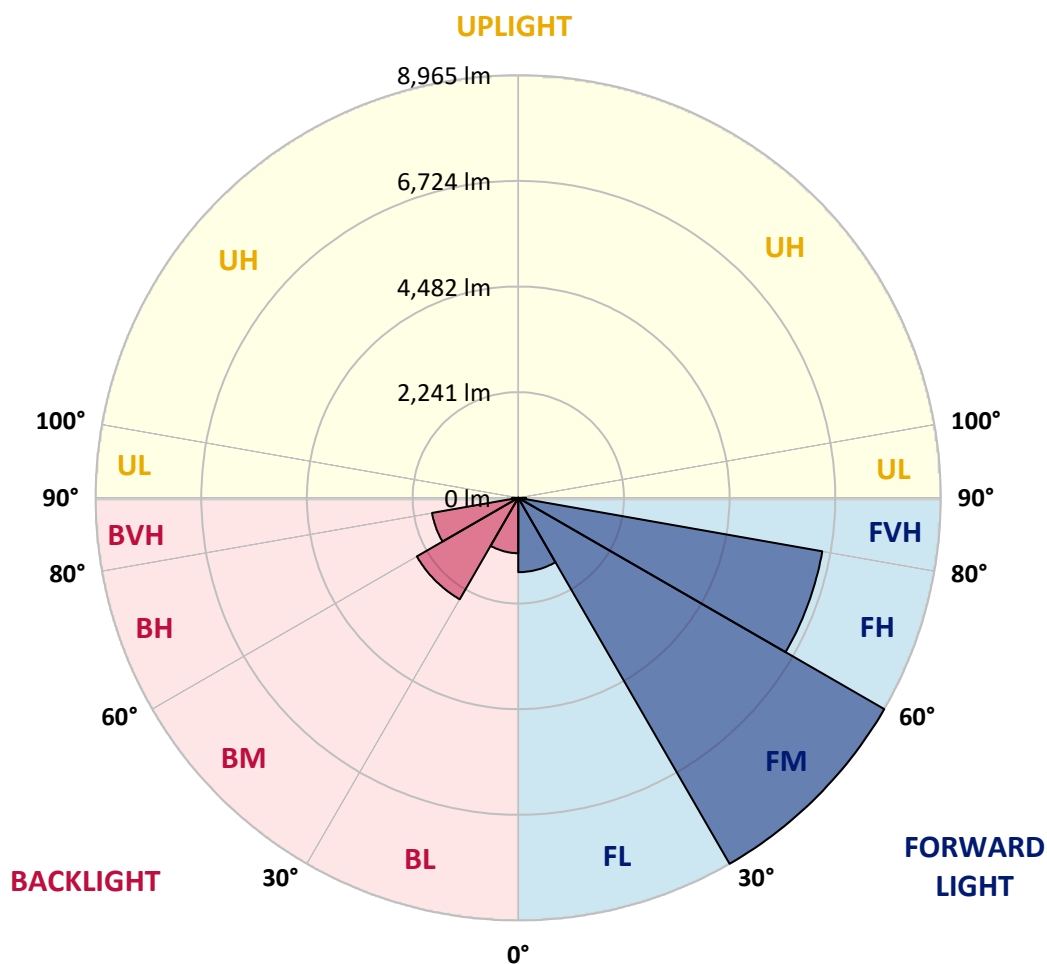
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1577.3 | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 8964.8 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 6548.6 | 28.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 167.7  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1174.7 | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2484.3 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1855.8 | 8.1       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 131.9  | 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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2  | 3358.2  | 3358.2  | 3358.2  | 3358.2  |
| 2.5°  | 3438.4 | 3457.8 | 3451.7 | 3445.7 | 3445.7 | 3437.2  | 3435.9  | 3423.8  | 3414.1  | 3398.3  |
| 5°    | 3482.1 | 3502.8 | 3500.4 | 3505.2 | 3521.0 | 3524.7  | 3528.3  | 3521.0  | 3501.6  | 3482.1  |
| 7.5°  | 3443.2 | 3466.3 | 3473.6 | 3502.8 | 3551.4 | 3595.2  | 3628.0  | 3641.3  | 3623.1  | 3595.2  |
| 10°   | 3312.0 | 3337.5 | 3363.0 | 3432.3 | 3518.6 | 3621.9  | 3709.4  | 3761.7  | 3758.0  | 3731.3  |
| 12.5° | 3045.8 | 3072.5 | 3127.2 | 3262.1 | 3420.1 | 3602.5  | 3765.3  | 3874.7  | 3912.4  | 3892.9  |
| 15°   | 2833.1 | 2856.2 | 2897.5 | 3036.1 | 3241.5 | 3518.6  | 3786.0  | 3998.7  | 4094.7  | 4083.8  |
| 17.5° | 2827.0 | 2836.8 | 2862.3 | 2927.9 | 3085.9 | 3387.3  | 3764.1  | 4120.2  | 4303.7  | 4302.5  |
| 20°   | 2934.0 | 2937.6 | 2952.2 | 2965.6 | 3055.5 | 3287.7  | 3708.2  | 4221.1  | 4538.3  | 4538.3  |
| 22.5° | 3082.3 | 3079.8 | 3094.4 | 3082.3 | 3126.0 | 3279.2  | 3672.9  | 4309.8  | 4799.6  | 4819.1  |
| 25°   | 3304.7 | 3292.5 | 3288.9 | 3260.9 | 3269.4 | 3358.2  | 3711.8  | 4410.7  | 5109.6  | 5149.7  |
| 27.5° | 3601.2 | 3581.8 | 3568.4 | 3504.0 | 3482.1 | 3521.0  | 3831.0  | 4532.2  | 5454.7  | 5524.0  |
| 30°   | 3987.7 | 3952.5 | 3933.0 | 3821.2 | 3742.2 | 3748.3  | 4010.8  | 4693.9  | 5815.7  | 5927.5  |
| 32.5° | 4515.2 | 4460.5 | 4408.3 | 4224.7 | 4080.1 | 4032.7  | 4243.0  | 4917.5  | 6207.1  | 6385.7  |
| 35°   | 5105.9 | 5062.2 | 5006.2 | 4723.1 | 4500.6 | 4391.3  | 4556.5  | 5229.9  | 6665.3  | 6948.5  |
| 37.5° | 5674.7 | 5637.0 | 5663.8 | 5282.1 | 4995.3 | 4836.1  | 4967.4  | 5649.2  | 7230.4  | 7648.5  |
| 40°   | 6263.0 | 6233.8 | 6237.4 | 5872.8 | 5538.6 | 5359.9  | 5465.7  | 6175.5  | 7878.2  | 8481.1  |
| 42.5° | 6902.3 | 6880.4 | 6807.5 | 6484.2 | 6108.6 | 5942.1  | 6039.3  | 6783.2  | 8573.5  | 9429.1  |
| 45°   | 7618.1 | 7604.8 | 7536.7 | 7166.0 | 6735.8 | 6548.6  | 6679.9  | 7454.1  | 9272.3  | 10321.2 |
| 47.5° | 8236.8 | 8247.7 | 8239.2 | 7926.9 | 7480.8 | 7206.1  | 7362.9  | 8154.1  | 9922.6  | 11159.8 |
| 50°   | 8534.6 | 8591.7 | 8675.5 | 8578.3 | 8301.2 | 8021.7  | 8052.0  | 8829.9  | 10542.4 | 11946.2 |
| 52.5° | 8379.0 | 8487.2 | 8715.7 | 8871.2 | 8978.2 | 8919.8  | 8838.4  | 9500.8  | 11125.8 | 12656.0 |
| 55°   | 7799.2 | 7951.2 | 8330.4 | 8705.9 | 9251.7 | 9675.8  | 9782.8  | 10244.6 | 11694.6 | 13280.7 |
| 57.5° | 6743.1 | 6989.8 | 7330.1 | 8089.7 | 9008.6 | 10041.7 | 10883.9 | 11276.5 | 12297.5 | 13948.0 |
| 60°   | 4932.1 | 5262.7 | 5685.7 | 6816.0 | 8157.8 | 9846.0  | 11821.0 | 12861.4 | 13154.3 | 14812.1 |
| 62.5° | 3156.4 | 3360.6 | 3749.5 | 4814.2 | 6356.6 | 8843.3  | 12107.8 | 14842.5 | 14606.7 | 16229.3 |
| 65°   | 2161.0 | 2292.3 | 2648.4 | 3246.3 | 4109.3 | 6582.6  | 11339.7 | 16327.7 | 16913.6 | 18475.3 |
| 67.5° | 1570.3 | 1670.0 | 1973.8 | 2497.7 | 2677.5 | 3895.4  | 8799.5  | 16259.7 | 19156.0 | 20789.5 |
| 70°   | 1144.9 | 1215.4 | 1470.6 | 1973.8 | 2060.1 | 2167.1  | 5330.8  | 13821.6 | 19107.4 | 21404.5 |
| 72.5° | 848.4  | 897.0  | 1068.3 | 1531.4 | 1667.5 | 1463.3  | 2638.6  | 10045.3 | 16418.9 | 19360.2 |
| 75°   | 613.8  | 650.2  | 776.6  | 1171.6 | 1334.5 | 1114.5  | 1316.3  | 5870.4  | 11452.7 | 13618.6 |
| 77.5° | 469.1  | 497.1  | 579.7  | 858.1  | 1068.3 | 836.2   | 816.8   | 2700.6  | 5430.4  | 5457.2  |
| 80°   | 376.8  | 395.0  | 440.0  | 604.1  | 819.2  | 625.9   | 532.3   | 1090.2  | 1716.1  | 1452.4  |
| 82.5° | 277.1  | 307.5  | 371.9  | 424.2  | 585.8  | 431.5   | 324.5   | 550.6   | 652.7   | 561.5   |
| 85°   | 158.0  | 178.7  | 224.8  | 303.9  | 374.3  | 263.7   | 186.0   | 244.3   | 303.9   | 249.2   |
| 87.5° | 55.9   | 72.9   | 79.0   | 119.1  | 162.9  | 109.4   | 71.7    | 70.5    | 99.7    | 74.1    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3358.2  | 0°    | 3358.2  | 3358.2  | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2 | 3358.2 |
| 3394.6  | 2.5°  | 3382.5  | 3376.4  | 3352.1 | 3319.3 | 3285.2 | 3252.4 | 3241.5 | 3218.4 | 3202.6 | 3194.1 |
| 3473.6  | 5°    | 3450.5  | 3431.1  | 3374.0 | 3301.0 | 3224.5 | 3141.8 | 3083.5 | 3030.0 | 2991.1 | 2954.6 |
| 3581.8  | 7.5°  | 3547.8  | 3513.7  | 3415.3 | 3287.7 | 3151.5 | 3014.2 | 2912.1 | 2834.3 | 2782.1 | 2748.0 |
| 3708.2  | 10°   | 3660.8  | 3608.5  | 3457.8 | 3267.0 | 3056.7 | 2859.8 | 2739.5 | 2672.7 | 2639.9 | 2621.6 |
| 3852.8  | 12.5° | 3790.8  | 3716.7  | 3501.6 | 3219.6 | 2912.1 | 2687.3 | 2604.6 | 2585.2 | 2586.4 | 2587.6 |
| 4035.1  | 15°   | 3951.3  | 3848.0  | 3536.8 | 3116.3 | 2723.7 | 2554.8 | 2540.2 | 2571.8 | 2604.6 | 2620.4 |
| 4241.8  | 17.5° | 4132.4  | 3986.5  | 3542.9 | 2946.1 | 2539.0 | 2469.7 | 2515.9 | 2583.9 | 2633.8 | 2655.7 |
| 4472.7  | 20°   | 4326.8  | 4127.5  | 3499.1 | 2705.5 | 2387.1 | 2400.4 | 2483.1 | 2570.6 | 2625.3 | 2653.2 |
| 4736.4  | 22.5° | 4549.3  | 4278.2  | 3394.6 | 2452.7 | 2263.1 | 2325.1 | 2422.3 | 2507.4 | 2564.5 | 2592.5 |
| 5046.4  | 25°   | 4803.3  | 4447.2  | 3230.5 | 2240.0 | 2156.1 | 2240.0 | 2337.2 | 2407.7 | 2453.9 | 2479.4 |
| 5392.7  | 27.5° | 5085.2  | 4623.4  | 3011.8 | 2071.0 | 2062.5 | 2152.5 | 2232.7 | 2287.4 | 2311.7 | 2331.1 |
| 5761.0  | 30°   | 5368.4  | 4783.8  | 2746.8 | 1943.4 | 1981.1 | 2066.2 | 2123.3 | 2147.6 | 2154.9 | 2158.6 |
| 6171.8  | 32.5° | 5674.7  | 4922.4  | 2468.5 | 1837.7 | 1903.3 | 1982.3 | 2016.4 | 2027.3 | 1993.3 | 1970.2 |
| 6670.1  | 35°   | 6045.4  | 5070.7  | 2196.2 | 1753.8 | 1826.8 | 1894.8 | 1905.8 | 1896.0 | 1855.9 | 1808.5 |
| 7294.9  | 37.5° | 6503.6  | 5255.4  | 1978.7 | 1694.3 | 1755.0 | 1800.0 | 1786.6 | 1784.2 | 1787.9 | 1731.9 |
| 8046.0  | 40°   | 7065.1  | 5496.1  | 1819.5 | 1648.1 | 1696.7 | 1706.4 | 1668.7 | 1689.4 | 1707.6 | 1622.6 |
| 8870.0  | 42.5° | 7688.6  | 5786.5  | 1718.6 | 1616.5 | 1648.1 | 1625.0 | 1566.7 | 1589.7 | 1587.3 | 1475.5 |
| 9697.7  | 45°   | 8324.3  | 6102.5  | 1683.3 | 1593.4 | 1603.1 | 1556.9 | 1492.5 | 1498.6 | 1447.5 | 1346.7 |
| 10491.4 | 47.5° | 8956.3  | 6441.6  | 1705.2 | 1573.9 | 1547.2 | 1494.9 | 1445.1 | 1418.4 | 1343.0 | 1267.7 |
| 11252.2 | 50°   | 9576.2  | 6797.8  | 1785.4 | 1535.1 | 1470.6 | 1440.3 | 1403.8 | 1356.4 | 1276.2 | 1211.8 |
| 11971.7 | 52.5° | 10151.0 | 7156.3  | 1875.4 | 1470.6 | 1374.6 | 1392.9 | 1369.8 | 1315.1 | 1236.1 | 1170.4 |
| 12652.3 | 55°   | 10695.5 | 7514.8  | 1910.6 | 1381.9 | 1284.7 | 1351.5 | 1338.2 | 1237.3 | 1142.5 | 1089.0 |
| 13364.6 | 57.5° | 11288.7 | 7946.3  | 1871.7 | 1268.9 | 1211.8 | 1304.1 | 1253.1 | 1141.3 | 1086.6 | 1046.5 |
| 14291.9 | 60°   | 12110.3 | 8623.3  | 1787.9 | 1129.1 | 1142.5 | 1233.6 | 1146.1 | 1099.9 | 1040.4 | 995.4  |
| 15682.3 | 62.5° | 13475.2 | 9886.1  | 1652.9 | 990.6  | 1061.0 | 1129.1 | 1095.1 | 1048.9 | 988.1  | 944.4  |
| 18059.7 | 65°   | 15492.7 | 11641.1 | 1398.9 | 882.4  | 969.9  | 1027.0 | 1040.4 | 994.2  | 931.0  | 884.8  |
| 20142.9 | 67.5° | 17194.3 | 12742.3 | 1058.6 | 792.4  | 876.3  | 944.4  | 982.0  | 937.1  | 870.2  | 825.3  |
| 20630.3 | 70°   | 17100.7 | 11942.6 | 808.2  | 703.7  | 793.7  | 862.9  | 911.6  | 876.3  | 804.6  | 762.1  |
| 18739.1 | 72.5° | 15188.9 | 9990.6  | 653.9  | 613.8  | 709.8  | 777.9  | 836.2  | 809.5  | 736.5  | 695.2  |
| 13728.0 | 75°   | 11158.6 | 7091.9  | 522.6  | 522.6  | 605.3  | 689.1  | 753.6  | 736.5  | 669.7  | 640.5  |
| 5763.4  | 77.5° | 4703.6  | 2975.3  | 409.6  | 433.9  | 503.2  | 591.9  | 672.1  | 678.2  | 619.9  | 656.3  |
| 1524.1  | 80°   | 1250.7  | 820.4   | 312.4  | 341.5  | 395.0  | 488.6  | 584.6  | 582.2  | 519.0  | 484.9  |
| 566.4   | 82.5° | 476.4   | 323.3   | 222.4  | 240.6  | 285.6  | 374.3  | 463.1  | 477.7  | 414.5  | 358.5  |
| 222.4   | 85°   | 183.5   | 138.6   | 137.3  | 144.6  | 166.5  | 247.9  | 350.0  | 362.2  | 312.4  | 265.0  |
| 62.0    | 87.5° | 47.4    | 41.3    | 51.0   | 48.6   | 76.6   | 132.5  | 200.5  | 207.8  | 190.8  | 110.6  |
| 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°   |
|--------|
| 3358.2 |
| 3203.8 |
| 2969.2 |
| 2755.3 |
| 2626.5 |
| 2590.0 |
| 2619.2 |
| 2660.5 |
| 2660.5 |
| 2599.7 |
| 2486.7 |
| 2338.4 |
| 2167.1 |
| 1977.5 |
| 1811.0 |
| 1735.6 |
| 1625.0 |
| 1474.3 |
| 1350.3 |
| 1267.7 |
| 1206.9 |
| 1171.6 |
| 1084.1 |
| 1042.8 |
| 993.0  |
| 944.4  |
| 887.2  |
| 826.5  |
| 765.7  |
| 695.2  |
| 632.0  |
| 595.5  |
| 450.9  |
| 358.5  |
| 273.5  |
| 158.0  |
| 0.0    |