

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: P949500

Luminaire Tested: **GLAN-SB4B-727-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P949500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-727-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

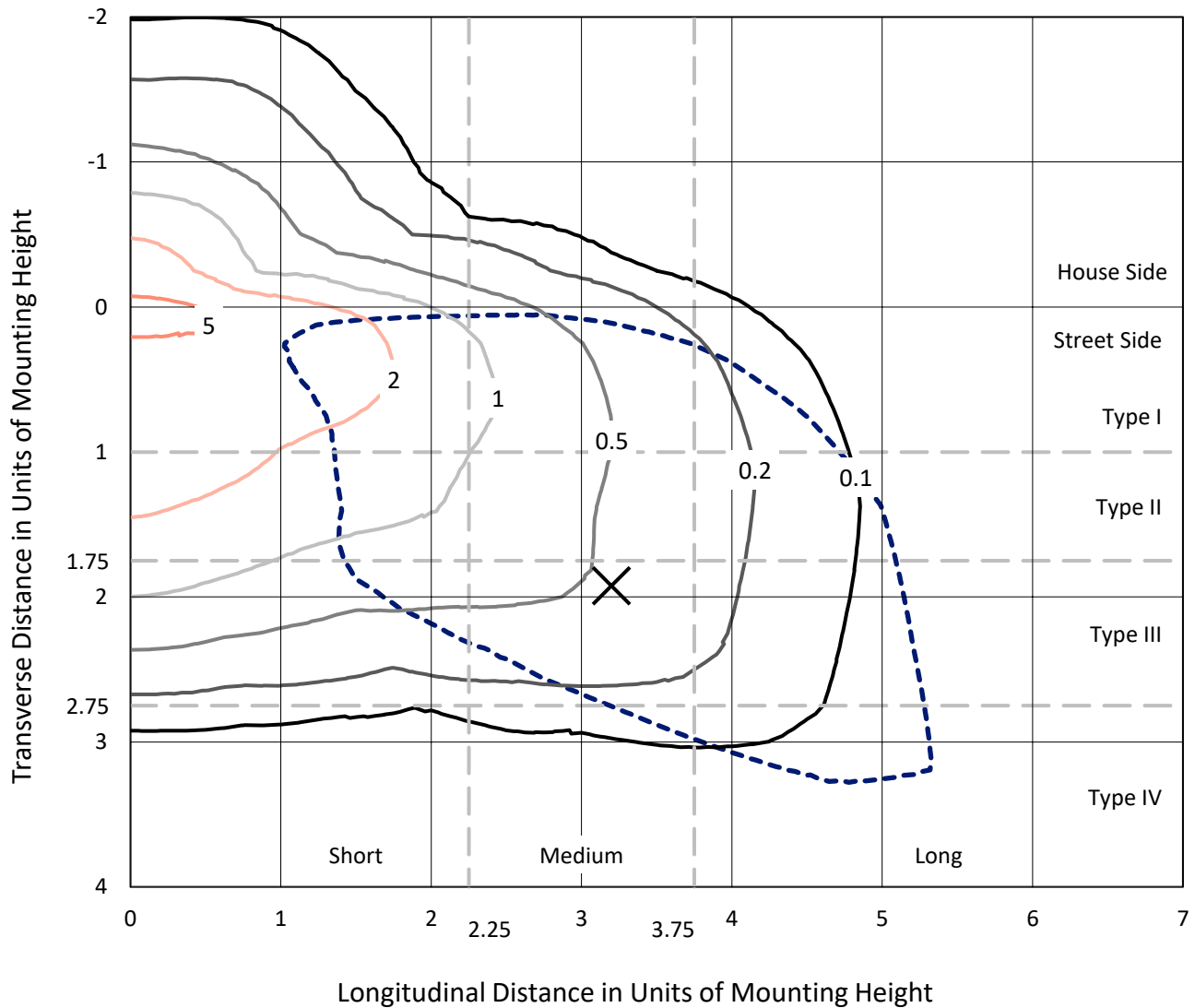
Lumens per Lamp: N/A  
Luminaire Lumens: 20458 lumens  
Efficiency: N/A  
Efficacy: 139.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

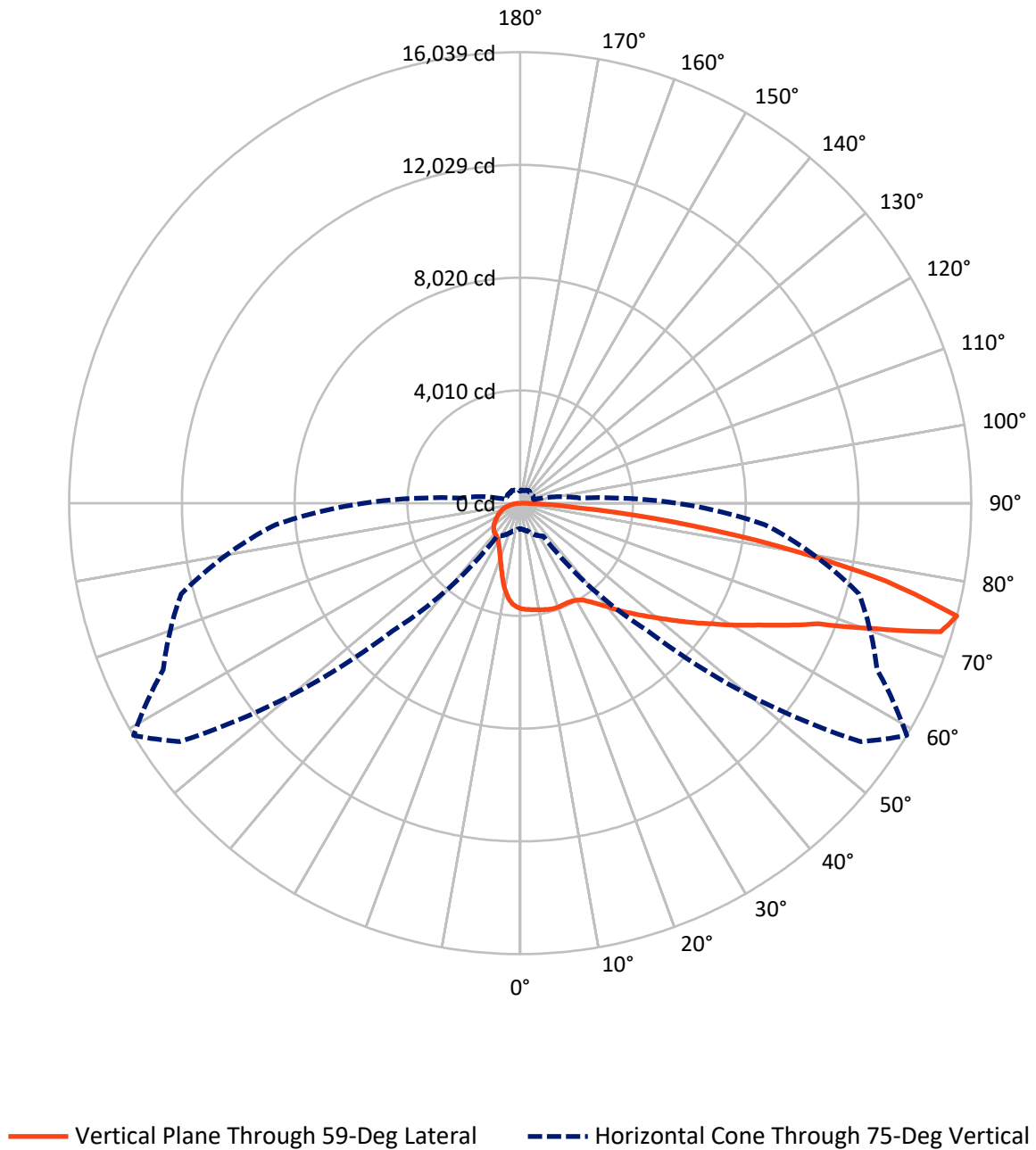
✕ Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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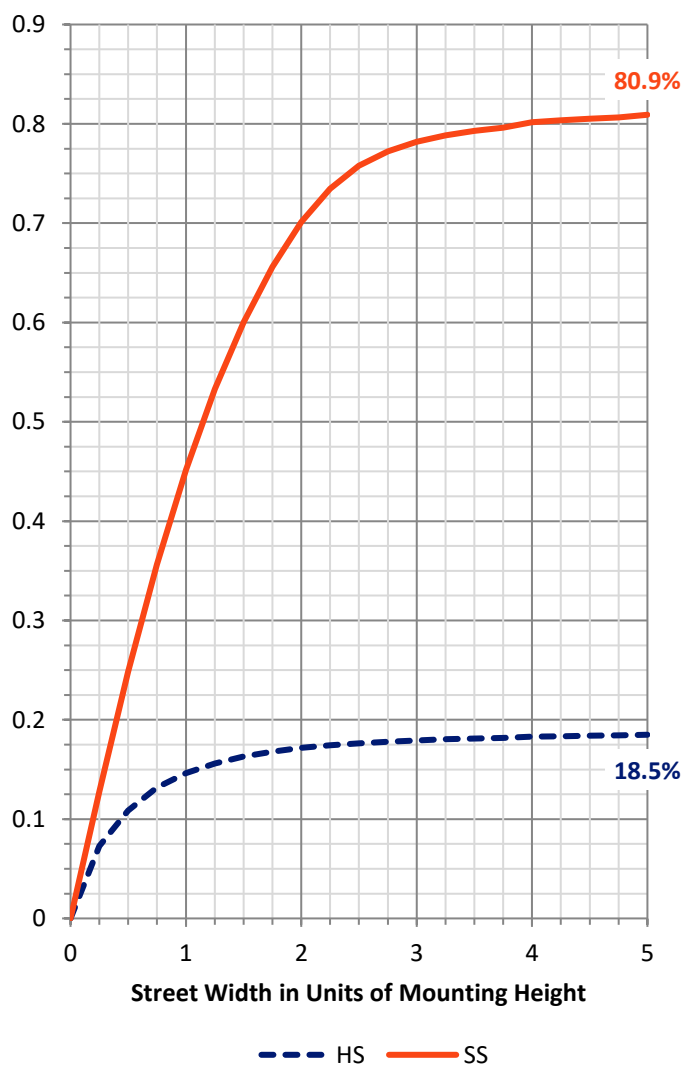
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3837.0   | 0.0    | 3837.0  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 16621.0  | 0.0    | 16621.0 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 20458.0  | 0.0    | 20458.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 336.7   | 1.6       |
| 10°-20°   | 860.6   | 4.2       |
| 20°-30°   | 1307.2  | 6.4       |
| 30°-40°   | 1943.1  | 9.5       |
| 40°-50°   | 2889.8  | 14.1      |
| 50°-60°   | 3922.6  | 19.2      |
| 60°-70°   | 4788.8  | 23.4      |
| 70°-80°   | 3758.2  | 18.4      |
| 80°-90°   | 651.0   | 3.2       |
| 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°    | 20458.0 | 100.0     |
| 0°-180°   | 20458.0 | 100.0     |

**Coefficient of Utilization**



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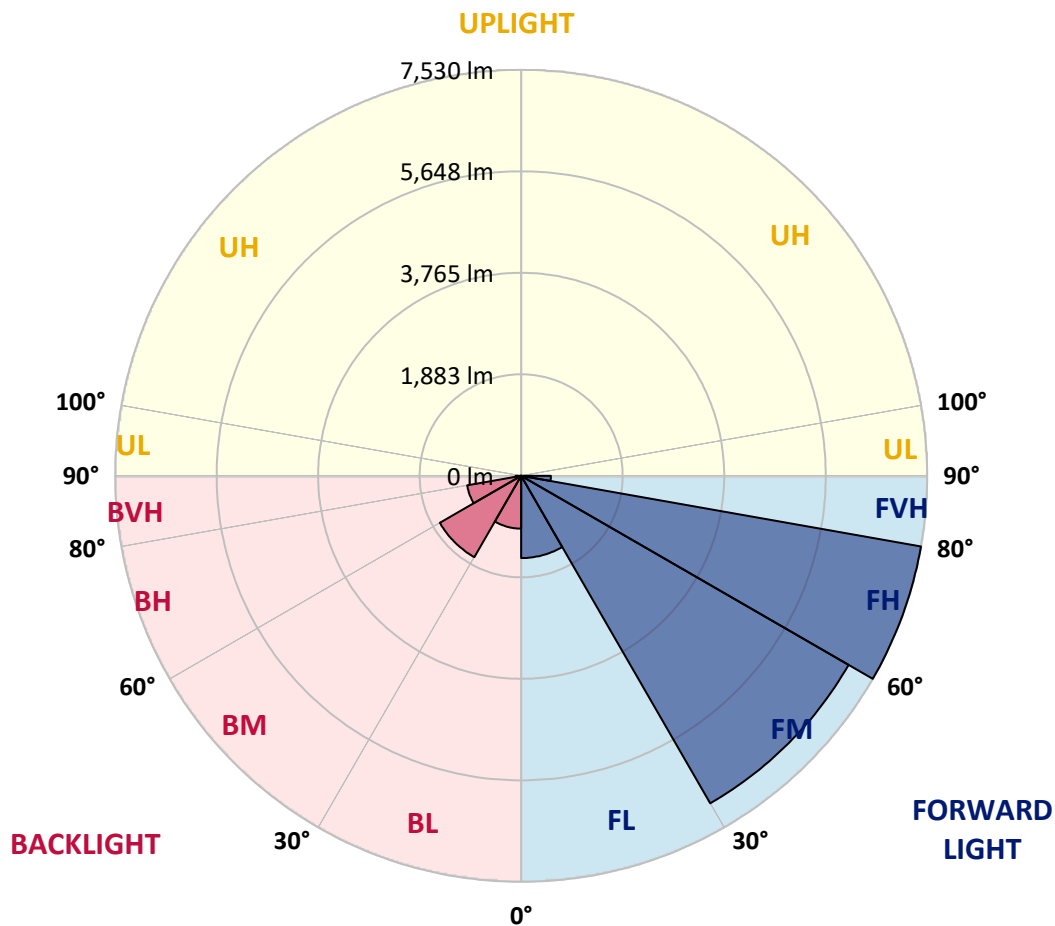
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1525.4 | 7.5       |                         |      |          |
| FM   | (30°-60°)   | 7013.9 | 34.3      |                         |      |          |
| FH   | (60°-80°)   | 7530.4 | 36.8      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 551.4  | 2.7       |                         |      | G4/750   |
| BL   | (0°-30°)    | 979.2  | 4.8       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1741.6 | 8.5       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1016.6 | 5.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 99.7   | 0.5       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

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

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 59°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0  | 3755.0  | 3755.0  | 3755.0  |
| 2.5°  | 3786.9 | 3773.7 | 3786.9 | 3781.4 | 3779.2 | 3774.8 | 3775.9  | 3783.6  | 3779.2  | 3784.7  |
| 5°    | 3761.6 | 3753.9 | 3767.1 | 3763.8 | 3778.1 | 3780.3 | 3794.6  | 3803.4  | 3808.9  | 3810.0  |
| 7.5°  | 3719.8 | 3712.1 | 3730.8 | 3746.2 | 3777.0 | 3785.8 | 3815.5  | 3829.9  | 3837.6  | 3850.8  |
| 10°   | 3566.8 | 3563.5 | 3609.7 | 3668.1 | 3740.7 | 3785.8 | 3831.0  | 3855.2  | 3867.3  | 3902.5  |
| 12.5° | 3296.1 | 3300.5 | 3361.0 | 3473.3 | 3618.6 | 3763.8 | 3848.6  | 3883.8  | 3902.5  | 3946.5  |
| 15°   | 3037.5 | 3036.4 | 3102.4 | 3222.4 | 3426.0 | 3667.0 | 3857.4  | 3917.9  | 3949.8  | 4014.7  |
| 17.5° | 2887.8 | 2883.4 | 2929.6 | 3021.0 | 3210.3 | 3518.4 | 3835.4  | 3936.6  | 4004.8  | 4086.3  |
| 20°   | 2860.3 | 2851.5 | 2875.7 | 2920.8 | 3055.1 | 3355.5 | 3778.1  | 3936.6  | 4048.9  | 4154.5  |
| 22.5° | 2960.4 | 2946.1 | 2936.2 | 2930.7 | 2990.1 | 3221.3 | 3713.2  | 3923.4  | 4113.8  | 4252.5  |
| 25°   | 3161.8 | 3139.8 | 3089.2 | 3039.7 | 3022.1 | 3160.7 | 3656.0  | 3920.1  | 4210.6  | 4384.5  |
| 27.5° | 3487.6 | 3460.1 | 3357.7 | 3238.9 | 3132.1 | 3191.5 | 3630.7  | 3939.9  | 4317.4  | 4524.3  |
| 30°   | 3891.5 | 3861.8 | 3733.0 | 3550.3 | 3358.8 | 3306.0 | 3662.6  | 3998.2  | 4453.9  | 4710.3  |
| 32.5° | 4253.6 | 4220.5 | 4110.5 | 3924.5 | 3665.9 | 3504.1 | 3763.8  | 4109.4  | 4668.5  | 4968.9  |
| 35°   | 4574.9 | 4536.4 | 4437.4 | 4265.7 | 4042.3 | 3782.5 | 3946.5  | 4306.4  | 4973.3  | 5389.3  |
| 37.5° | 4889.7 | 4844.5 | 4736.7 | 4555.1 | 4398.8 | 4153.4 | 4198.5  | 4559.5  | 5378.3  | 5900.0  |
| 40°   | 5241.8 | 5176.9 | 5045.9 | 4866.6 | 4714.7 | 4588.1 | 4529.8  | 4869.9  | 5789.9  | 6470.0  |
| 42.5° | 5583.0 | 5521.4 | 5365.1 | 5212.1 | 5021.7 | 4985.4 | 4913.9  | 5233.0  | 6240.0  | 7096.2  |
| 45°   | 5950.6 | 5876.8 | 5687.6 | 5493.9 | 5373.9 | 5249.5 | 5285.9  | 5596.2  | 6681.3  | 7734.5  |
| 47.5° | 6295.1 | 6212.5 | 5989.1 | 5773.4 | 5707.4 | 5471.9 | 5627.0  | 5995.7  | 7140.3  | 8381.7  |
| 50°   | 6481.0 | 6399.6 | 6213.6 | 6018.8 | 5967.1 | 5745.9 | 5996.8  | 6434.8  | 7621.2  | 9026.6  |
| 52.5° | 6636.2 | 6548.2 | 6305.0 | 6197.1 | 6181.7 | 6044.1 | 6452.4  | 6936.7  | 8102.1  | 9596.7  |
| 55°   | 6801.3 | 6703.3 | 6393.0 | 6296.2 | 6366.6 | 6378.7 | 6992.8  | 7505.6  | 8610.6  | 10152.4 |
| 57.5° | 6991.7 | 6867.3 | 6477.7 | 6379.8 | 6547.1 | 6770.5 | 7613.5  | 8095.5  | 9110.2  | 10667.5 |
| 60°   | 7171.1 | 7045.6 | 6640.6 | 6513.0 | 6741.9 | 7225.0 | 8325.5  | 8809.8  | 9675.9  | 11126.4 |
| 62.5° | 7206.3 | 7102.8 | 6770.5 | 6769.4 | 7006.0 | 7755.5 | 9168.5  | 9530.6  | 10170.0 | 11579.8 |
| 65°   | 6596.6 | 6531.7 | 6334.7 | 6759.5 | 7384.6 | 8519.2 | 10107.3 | 10452.9 | 10798.4 | 11976.0 |
| 67.5° | 5020.6 | 5029.4 | 5015.1 | 5835.0 | 7078.6 | 9616.5 | 11466.5 | 11440.0 | 11574.3 | 12420.6 |
| 70°   | 2295.7 | 2347.4 | 2684.2 | 4028.0 | 5671.0 | 9743.0 | 13713.7 | 13371.5 | 12548.3 | 12996.2 |
| 72.5° | 1240.3 | 1279.9 | 1417.5 | 1951.2 | 3409.5 | 8662.3 | 15393.2 | 15636.4 | 13843.6 | 13383.6 |
| 75°   | 910.1  | 932.2  | 1027.9 | 1240.3 | 1431.8 | 6438.1 | 14791.2 | 16039.2 | 14005.4 | 12480.0 |
| 77.5° | 681.2  | 691.1  | 769.3  | 982.8  | 733.0  | 3394.0 | 11818.6 | 13283.4 | 11989.2 | 10253.7 |
| 80°   | 494.1  | 505.1  | 563.5  | 737.4  | 513.9  | 1241.4 | 8115.3  | 9323.7  | 8211.1  | 6536.1  |
| 82.5° | 341.2  | 345.6  | 370.9  | 501.8  | 358.8  | 482.0  | 4604.6  | 5467.5  | 4583.7  | 2293.5  |
| 85°   | 205.8  | 211.3  | 222.3  | 292.7  | 203.6  | 228.9  | 1987.6  | 2055.8  | 1370.2  | 548.1   |
| 87.5° | 84.7   | 90.2   | 99.0   | 123.3  | 80.3   | 63.8   | 328.0   | 411.6   | 256.4   | 160.7   |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3755.0  | 0°    | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 | 3755.0 |
| 3766.0  | 2.5°  | 3760.5 | 3752.8 | 3731.9 | 3703.3 | 3676.9 | 3643.9 | 3629.6 | 3617.5 | 3606.4 | 3585.5 |
| 3795.7  | 5°    | 3783.6 | 3762.7 | 3706.6 | 3634.0 | 3551.4 | 3461.2 | 3373.1 | 3312.6 | 3260.9 | 3222.4 |
| 3829.9  | 7.5°  | 3818.9 | 3779.2 | 3676.9 | 3528.3 | 3339.0 | 3145.3 | 2970.3 | 2846.0 | 2752.4 | 2718.3 |
| 3878.3  | 10°   | 3855.2 | 3807.8 | 3629.6 | 3367.6 | 3040.8 | 2742.5 | 2510.3 | 2382.7 | 2307.8 | 2283.6 |
| 3935.5  | 12.5° | 3898.1 | 3828.8 | 3555.8 | 3144.2 | 2707.3 | 2380.5 | 2178.0 | 2103.1 | 2064.6 | 2051.4 |
| 4005.9  | 15°   | 3960.8 | 3846.4 | 3444.7 | 2864.7 | 2389.3 | 2116.3 | 1985.4 | 1933.6 | 1913.8 | 1912.7 |
| 4078.6  | 17.5° | 4008.1 | 3849.7 | 3271.9 | 2565.3 | 2144.9 | 1956.7 | 1848.9 | 1829.1 | 1842.3 | 1862.1 |
| 4150.1  | 20°   | 4061.0 | 3820.0 | 3045.2 | 2292.4 | 1973.3 | 1817.0 | 1771.9 | 1785.1 | 1817.0 | 1845.6 |
| 4244.8  | 22.5° | 4098.4 | 3766.0 | 2771.1 | 2080.0 | 1824.7 | 1736.6 | 1734.4 | 1762.0 | 1779.6 | 1793.9 |
| 4355.9  | 25°   | 4131.4 | 3674.7 | 2480.6 | 1901.7 | 1702.5 | 1688.2 | 1712.4 | 1703.6 | 1691.5 | 1703.6 |
| 4467.1  | 27.5° | 4155.6 | 3530.5 | 2220.9 | 1745.4 | 1616.7 | 1655.2 | 1640.9 | 1621.1 | 1620.0 | 1626.6 |
| 4598.0  | 30°   | 4147.9 | 3337.9 | 2007.4 | 1596.9 | 1556.2 | 1593.6 | 1559.5 | 1556.2 | 1552.9 | 1556.2 |
| 4795.0  | 32.5° | 4147.9 | 3118.9 | 1843.4 | 1494.5 | 1517.6 | 1503.3 | 1500.0 | 1492.3 | 1479.1 | 1478.0 |
| 5062.5  | 35°   | 4171.0 | 2899.9 | 1702.5 | 1439.5 | 1485.7 | 1451.6 | 1453.8 | 1435.1 | 1407.6 | 1394.4 |
| 5416.8  | 37.5° | 4218.3 | 2723.8 | 1562.8 | 1413.1 | 1429.6 | 1428.5 | 1419.7 | 1387.8 | 1339.3 | 1297.5 |
| 5859.2  | 40°   | 4332.8 | 2672.1 | 1467.0 | 1401.0 | 1403.2 | 1416.4 | 1393.3 | 1331.6 | 1221.6 | 1153.4 |
| 6308.3  | 42.5° | 4512.2 | 2759.0 | 1446.1 | 1371.3 | 1385.6 | 1398.8 | 1353.7 | 1210.6 | 1132.4 | 1091.7 |
| 6779.3  | 45°   | 4740.0 | 2910.9 | 1491.2 | 1328.3 | 1343.8 | 1366.9 | 1232.6 | 1164.4 | 1129.1 | 1130.2 |
| 7245.9  | 47.5° | 5028.3 | 3070.5 | 1574.9 | 1290.9 | 1283.2 | 1296.4 | 1152.3 | 1110.4 | 1062.0 | 1074.1 |
| 7693.8  | 50°   | 5361.8 | 3232.3 | 1654.1 | 1240.3 | 1216.1 | 1173.2 | 1100.5 | 1060.9 | 999.3  | 970.7  |
| 8126.3  | 52.5° | 5722.8 | 3388.5 | 1686.0 | 1178.7 | 1143.5 | 1093.9 | 1065.3 | 1016.9 | 942.1  | 894.7  |
| 8534.6  | 55°   | 6065.0 | 3530.5 | 1650.8 | 1104.9 | 1070.8 | 1032.3 | 1027.9 | 998.2  | 917.8  | 851.8  |
| 8897.8  | 57.5° | 6388.6 | 3649.4 | 1562.8 | 1030.1 | 997.1  | 974.0  | 1003.7 | 989.4  | 888.1  | 803.4  |
| 9241.2  | 60°   | 6662.6 | 3730.8 | 1435.1 | 954.2  | 931.1  | 918.9  | 964.1  | 959.7  | 846.3  | 751.7  |
| 9549.3  | 62.5° | 6880.5 | 3762.7 | 1294.2 | 881.5  | 876.0  | 854.0  | 909.0  | 909.0  | 793.5  | 701.0  |
| 9820.1  | 65°   | 7051.1 | 3731.9 | 1151.2 | 810.0  | 821.0  | 788.0  | 841.9  | 835.3  | 737.4  | 655.9  |
| 10131.5 | 67.5° | 7201.9 | 3630.7 | 992.7  | 739.6  | 764.9  | 723.1  | 771.5  | 756.1  | 675.7  | 610.8  |
| 10401.1 | 70°   | 7269.0 | 3395.1 | 812.2  | 669.1  | 699.9  | 659.2  | 701.0  | 672.4  | 606.4  | 562.4  |
| 10105.1 | 72.5° | 6729.8 | 2821.8 | 639.4  | 595.4  | 621.8  | 588.8  | 625.1  | 592.1  | 531.6  | 511.7  |
| 8726.1  | 75°   | 5567.6 | 2117.4 | 491.9  | 515.0  | 534.9  | 509.5  | 533.8  | 509.5  | 454.5  | 468.8  |
| 6445.8  | 77.5° | 4043.4 | 1429.6 | 376.4  | 430.3  | 439.1  | 425.9  | 446.8  | 419.3  | 369.8  | 366.5  |
| 3212.5  | 80°   | 2010.7 | 837.5  | 294.9  | 340.1  | 336.8  | 328.0  | 352.2  | 339.0  | 297.1  | 314.8  |
| 867.2   | 82.5° | 582.2  | 358.8  | 214.6  | 238.8  | 232.2  | 234.4  | 252.0  | 258.6  | 387.4  | 384.1  |
| 269.6   | 85°   | 182.7  | 140.9  | 128.8  | 133.2  | 126.6  | 129.9  | 148.6  | 294.9  | 272.9  | 159.6  |
| 83.6    | 87.5° | 47.3   | 48.4   | 31.9   | 34.1   | 35.2   | 41.8   | 47.3   | 179.4  | 85.8   | 56.1   |
| 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°   |
|--------|
| 3755.0 |
| 3575.6 |
| 3190.4 |
| 2658.9 |
| 2246.2 |
| 2054.7 |
| 1917.1 |
| 1869.8 |
| 1855.5 |
| 1801.6 |
| 1711.3 |
| 1637.6 |
| 1568.3 |
| 1492.3 |
| 1407.6 |
| 1311.8 |
| 1162.2 |
| 1091.7 |
| 1135.8 |
| 1104.9 |
| 978.4  |
| 893.6  |
| 851.8  |
| 799.0  |
| 748.4  |
| 697.7  |
| 651.5  |
| 606.4  |
| 553.6  |
| 495.2  |
| 428.1  |
| 350.0  |
| 311.5  |
| 392.9  |
| 172.8  |
| 59.4   |
| 0.0    |

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