

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: P950256

Luminaire Tested: **GLAN-SB4D-735-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950256  
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-SB4D-735-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39859 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 293.6  
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

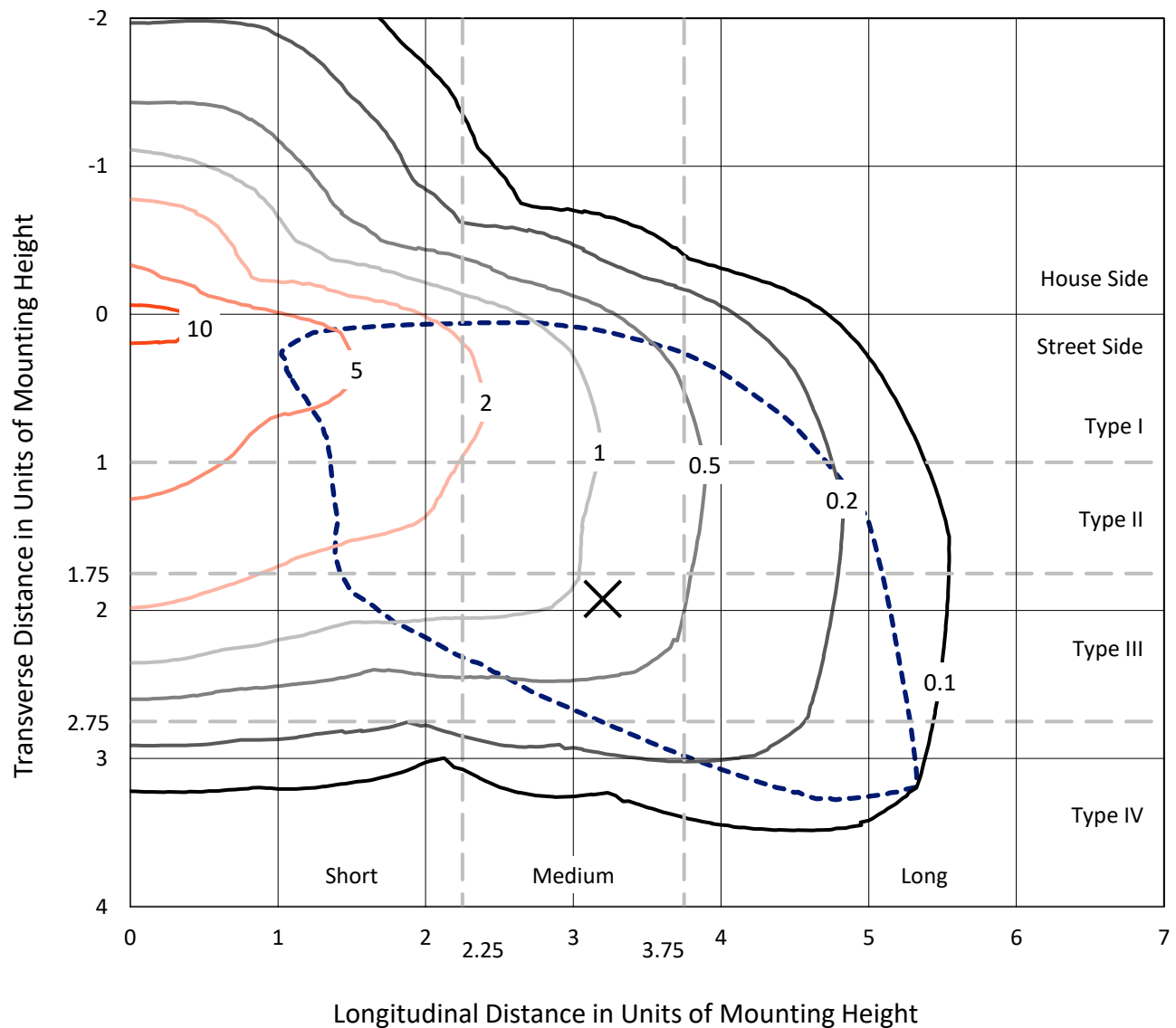


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## Iso-Footcandle Lines of Horizontal Illumination

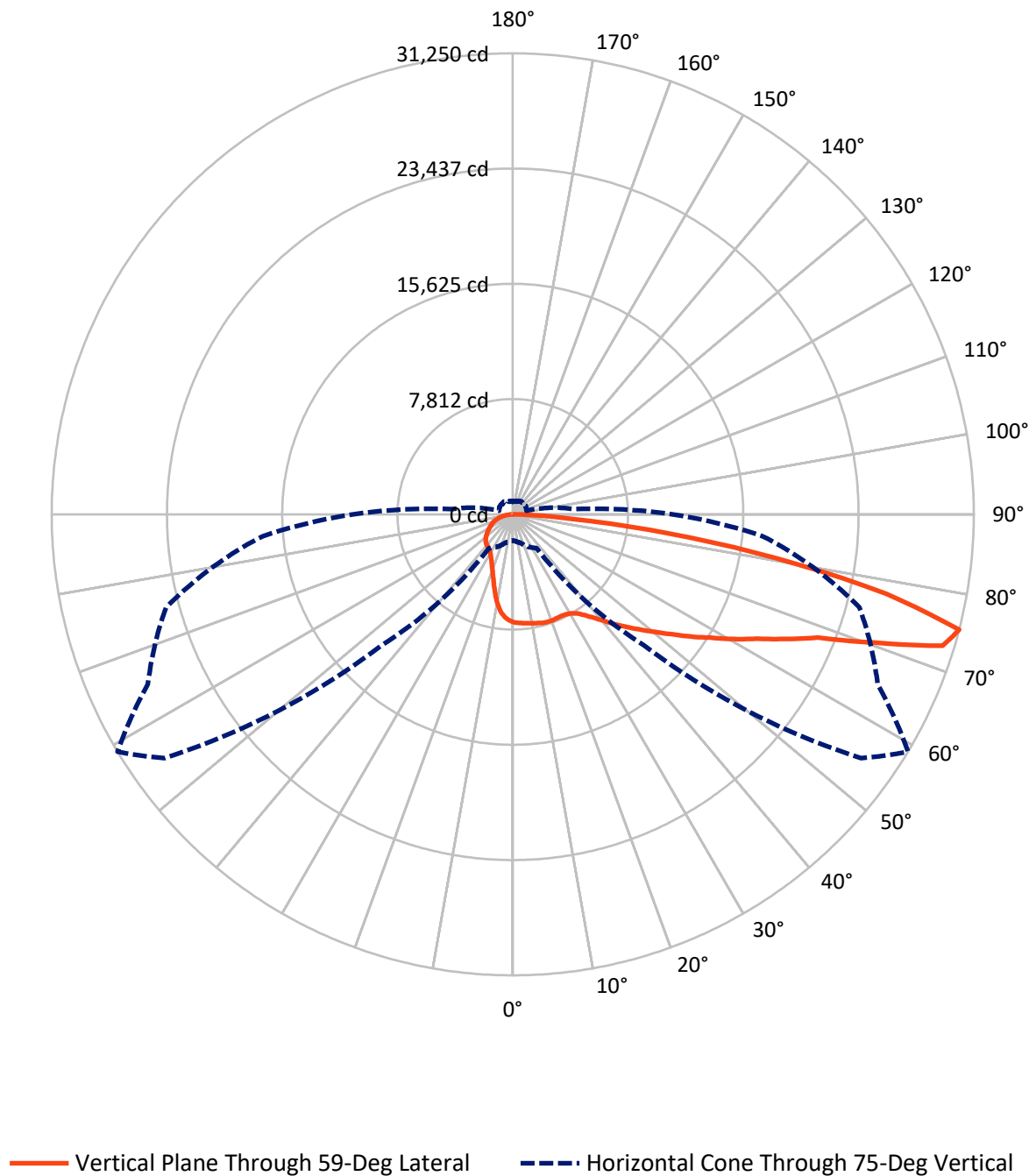
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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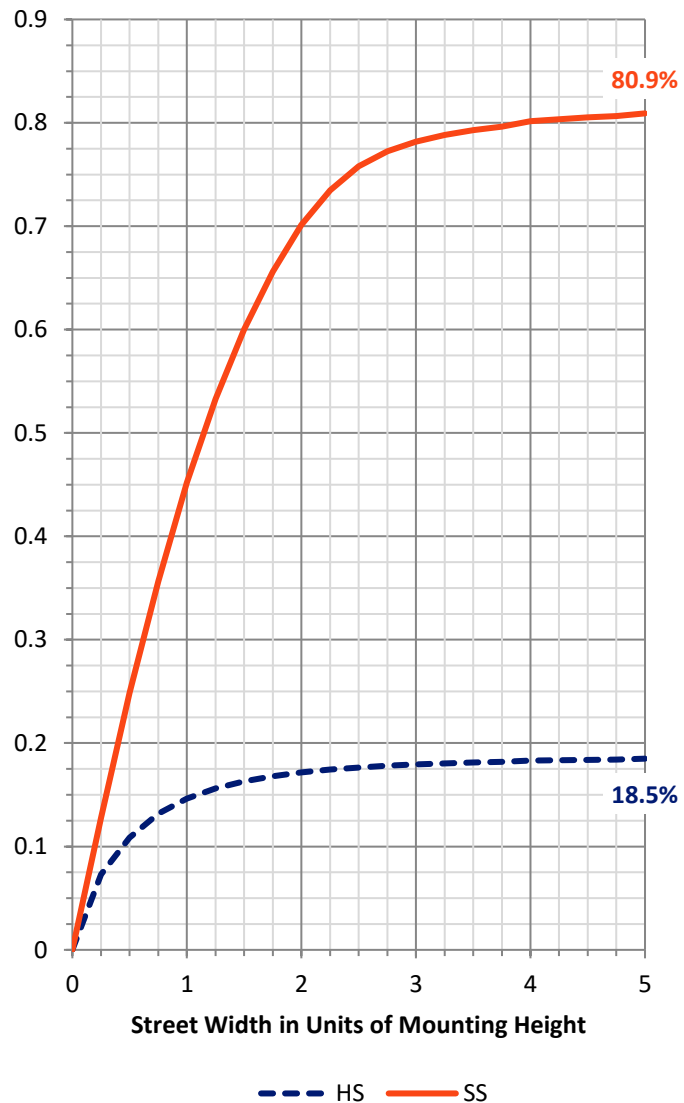
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7475.8   | 0.0    | 7475.8  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 32383.2  | 0.0    | 32383.2 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 39859.0  | 0.0    | 39859.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 656.0   | 1.6       |
| 10°-20°   | 1676.8  | 4.2       |
| 20°-30°   | 2546.9  | 6.4       |
| 30°-40°   | 3785.9  | 9.5       |
| 40°-50°   | 5630.3  | 14.1      |
| 50°-60°   | 7642.4  | 19.2      |
| 60°-70°   | 9330.2  | 23.4      |
| 70°-80°   | 7322.2  | 18.4      |
| 80°-90°   | 1268.4  | 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°    | 39859.0 | 100.0     |
| 0°-180°   | 39859.0 | 100.0     |

**Coefficient of Utilization**



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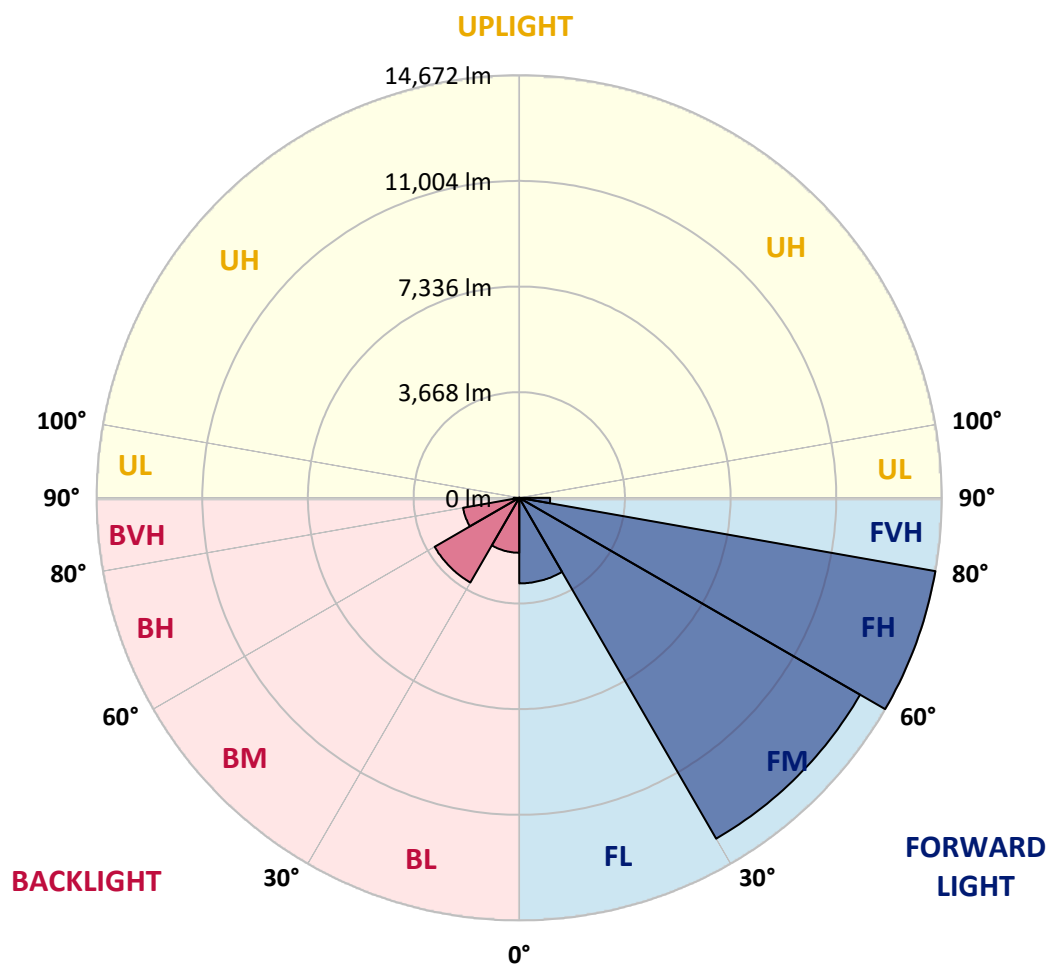
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2971.9  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 13665.3 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 14671.7 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1074.2  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 1907.7  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3393.3  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1980.6  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 194.2   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  | 7316.0  |
| 2.5°  | 7378.2  | 7352.5  | 7378.2  | 7367.5  | 7363.2  | 7354.6  | 7356.8  | 7371.8  | 7363.2  | 7373.9  |
| 5°    | 7328.9  | 7313.9  | 7339.6  | 7333.2  | 7361.1  | 7365.3  | 7393.2  | 7410.4  | 7421.1  | 7423.2  |
| 7.5°  | 7247.4  | 7232.4  | 7268.9  | 7298.9  | 7358.9  | 7376.1  | 7434.0  | 7461.8  | 7476.8  | 7502.6  |
| 10°   | 6949.4  | 6942.9  | 7033.0  | 7146.6  | 7288.2  | 7376.1  | 7464.0  | 7511.2  | 7534.7  | 7603.4  |
| 12.5° | 6421.9  | 6430.5  | 6548.4  | 6767.1  | 7050.1  | 7333.2  | 7498.3  | 7566.9  | 7603.4  | 7689.1  |
| 15°   | 5918.0  | 5915.9  | 6044.5  | 6278.2  | 6674.9  | 7144.5  | 7515.4  | 7633.4  | 7695.6  | 7822.1  |
| 17.5° | 5626.4  | 5617.8  | 5707.9  | 5885.8  | 6254.6  | 6855.0  | 7472.6  | 7669.8  | 7802.8  | 7961.4  |
| 20°   | 5572.8  | 5555.6  | 5602.8  | 5690.7  | 5952.3  | 6537.7  | 7361.1  | 7669.8  | 7888.5  | 8094.4  |
| 22.5° | 5767.9  | 5740.0  | 5720.7  | 5710.0  | 5825.8  | 6276.1  | 7234.6  | 7644.1  | 8015.0  | 8285.2  |
| 25°   | 6160.3  | 6117.4  | 6018.8  | 5922.3  | 5888.0  | 6158.2  | 7123.1  | 7637.7  | 8203.7  | 8542.5  |
| 27.5° | 6795.0  | 6741.4  | 6542.0  | 6310.4  | 6102.4  | 6218.2  | 7073.7  | 7676.3  | 8411.7  | 8814.8  |
| 30°   | 7581.9  | 7524.0  | 7273.1  | 6917.2  | 6544.1  | 6441.2  | 7135.9  | 7789.9  | 8677.6  | 9177.2  |
| 32.5° | 8287.4  | 8223.0  | 8008.6  | 7646.2  | 7142.3  | 6827.2  | 7333.2  | 8006.5  | 9095.7  | 9681.1  |
| 35°   | 8913.5  | 8838.4  | 8645.4  | 8310.9  | 7875.7  | 7369.6  | 7689.1  | 8390.3  | 9689.7  | 10500.2 |
| 37.5° | 9526.7  | 9438.8  | 9228.7  | 8874.9  | 8570.4  | 8092.2  | 8180.1  | 8883.4  | 10478.7 | 11495.1 |
| 40°   | 10212.9 | 10086.3 | 9831.2  | 9481.7  | 9185.8  | 8939.2  | 8825.6  | 9488.1  | 11280.7 | 12605.8 |
| 42.5° | 10877.6 | 10757.5 | 10453.0 | 10155.0 | 9784.0  | 9713.3  | 9573.9  | 10195.7 | 12157.6 | 13825.8 |
| 45°   | 11593.7 | 11450.1 | 11081.3 | 10703.9 | 10470.2 | 10227.9 | 10298.6 | 10903.3 | 13017.5 | 15069.5 |
| 47.5° | 12264.9 | 12104.0 | 11668.8 | 11248.5 | 11119.9 | 10661.0 | 10963.3 | 11681.6 | 13911.6 | 16330.3 |
| 50°   | 12627.2 | 12468.6 | 12106.2 | 11726.7 | 11625.9 | 11194.9 | 11683.8 | 12537.2 | 14848.6 | 17586.8 |
| 52.5° | 12929.6 | 12758.0 | 12284.2 | 12074.0 | 12044.0 | 11776.0 | 12571.5 | 13514.9 | 15785.6 | 18697.5 |
| 55°   | 13251.2 | 13060.4 | 12455.7 | 12267.0 | 12404.2 | 12427.8 | 13624.3 | 14623.5 | 16776.3 | 19780.3 |
| 57.5° | 13622.1 | 13379.8 | 12620.8 | 12430.0 | 12755.9 | 13191.2 | 14833.6 | 15772.8 | 17749.7 | 20783.8 |
| 60°   | 13971.6 | 13727.2 | 12938.1 | 12689.4 | 13135.4 | 14076.7 | 16220.9 | 17164.4 | 18851.9 | 21677.9 |
| 62.5° | 14040.3 | 13838.7 | 13191.2 | 13189.0 | 13650.0 | 15110.2 | 17863.4 | 18568.8 | 19814.6 | 22561.3 |
| 65°   | 12852.4 | 12725.9 | 12342.0 | 13169.7 | 14387.6 | 16598.3 | 19692.4 | 20365.7 | 21038.9 | 23333.2 |
| 67.5° | 9781.9  | 9799.0  | 9771.1  | 11368.6 | 13791.5 | 18736.1 | 22340.5 | 22289.0 | 22550.6 | 24199.5 |
| 70°   | 4472.8  | 4573.6  | 5229.7  | 7847.8  | 11049.1 | 18982.7 | 26719.0 | 26052.1 | 24448.2 | 25320.9 |
| 72.5° | 2416.5  | 2493.7  | 2761.7  | 3801.7  | 6642.7  | 16877.0 | 29991.0 | 30464.9 | 26972.0 | 26075.7 |
| 75°   | 1773.3  | 1816.1  | 2002.7  | 2416.5  | 2789.6  | 12543.6 | 28818.1 | 31249.7 | 27287.2 | 24315.3 |
| 77.5° | 1327.3  | 1346.6  | 1498.8  | 1914.8  | 1428.0  | 6612.7  | 23026.6 | 25880.6 | 23359.0 | 19977.6 |
| 80°   | 962.7   | 984.2   | 1097.8  | 1436.6  | 1001.3  | 2418.7  | 15811.4 | 18165.7 | 15997.9 | 12734.4 |
| 82.5° | 664.7   | 673.3   | 722.6   | 977.8   | 699.0   | 939.2   | 8971.4  | 10652.4 | 8930.6  | 4468.5  |
| 85°   | 401.0   | 411.7   | 433.1   | 570.4   | 396.7   | 446.0   | 3872.4  | 4005.4  | 2669.5  | 1067.8  |
| 87.5° | 165.1   | 175.8   | 193.0   | 240.2   | 156.5   | 124.4   | 639.0   | 801.9   | 499.6   | 313.1   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7316.0  | 0°    | 7316.0  | 7316.0 | 7316.0 | 7316.0 | 7316.0 | 7316.0 | 7316.0 | 7316.0 | 7316.0 | 7316.0 |
| 7337.5  | 2.5°  | 7326.8  | 7311.7 | 7271.0 | 7215.3 | 7163.8 | 7099.5 | 7071.6 | 7048.0 | 7026.6 | 6985.8 |
| 7395.4  | 5°    | 7371.8  | 7331.0 | 7221.7 | 7080.2 | 6919.4 | 6743.5 | 6572.0 | 6454.1 | 6353.3 | 6278.2 |
| 7461.8  | 7.5°  | 7440.4  | 7363.2 | 7163.8 | 6874.3 | 6505.5 | 6128.1 | 5787.2 | 5544.9 | 5362.7 | 5296.2 |
| 7556.2  | 10°   | 7511.2  | 7419.0 | 7071.6 | 6561.3 | 5924.4 | 5343.4 | 4890.9 | 4642.2 | 4496.4 | 4449.2 |
| 7667.7  | 12.5° | 7594.8  | 7459.7 | 6927.9 | 6126.0 | 5274.7 | 4637.9 | 4243.4 | 4097.6 | 4022.5 | 3996.8 |
| 7804.9  | 15°   | 7717.0  | 7494.0 | 6711.4 | 5581.4 | 4655.1 | 4123.3 | 3868.1 | 3767.4 | 3728.8 | 3726.6 |
| 7946.4  | 17.5° | 7809.2  | 7500.4 | 6374.7 | 4998.1 | 4179.1 | 3812.4 | 3602.3 | 3563.7 | 3589.4 | 3628.0 |
| 8085.8  | 20°   | 7912.1  | 7442.5 | 5933.0 | 4466.4 | 3844.6 | 3540.1 | 3452.2 | 3477.9 | 3540.1 | 3595.8 |
| 8270.2  | 22.5° | 7985.0  | 7337.5 | 5399.1 | 4052.5 | 3555.1 | 3383.6 | 3379.3 | 3432.9 | 3467.2 | 3495.1 |
| 8486.8  | 25°   | 8049.3  | 7159.5 | 4833.0 | 3705.2 | 3317.1 | 3289.2 | 3336.4 | 3319.2 | 3295.6 | 3319.2 |
| 8703.3  | 27.5° | 8096.5  | 6878.6 | 4327.0 | 3400.7 | 3149.8 | 3224.9 | 3197.0 | 3158.4 | 3156.3 | 3169.1 |
| 8958.5  | 30°   | 8081.5  | 6503.4 | 3911.0 | 3111.2 | 3031.9 | 3104.8 | 3038.3 | 3031.9 | 3025.5 | 3031.9 |
| 9342.3  | 32.5° | 8081.5  | 6076.7 | 3591.5 | 2911.8 | 2956.9 | 2929.0 | 2922.6 | 2907.5 | 2881.8 | 2879.7 |
| 9863.3  | 35°   | 8126.5  | 5650.0 | 3317.1 | 2804.6 | 2894.7 | 2828.2 | 2832.5 | 2796.0 | 2742.4 | 2716.7 |
| 10553.8 | 37.5° | 8218.7  | 5306.9 | 3044.8 | 2753.2 | 2785.3 | 2783.2 | 2766.0 | 2703.8 | 2609.5 | 2528.0 |
| 11415.8 | 40°   | 8441.7  | 5206.1 | 2858.2 | 2729.6 | 2733.9 | 2759.6 | 2714.6 | 2594.5 | 2380.1 | 2247.1 |
| 12290.6 | 42.5° | 8791.2  | 5375.5 | 2817.5 | 2671.7 | 2699.6 | 2725.3 | 2637.4 | 2358.6 | 2206.4 | 2127.1 |
| 13208.3 | 45°   | 9235.1  | 5671.4 | 2905.4 | 2588.1 | 2618.1 | 2663.1 | 2401.5 | 2268.6 | 2200.0 | 2202.1 |
| 14117.5 | 47.5° | 9796.9  | 5982.3 | 3068.4 | 2515.2 | 2500.1 | 2525.9 | 2245.0 | 2163.5 | 2069.2 | 2092.7 |
| 14990.1 | 50°   | 10446.6 | 6297.5 | 3222.7 | 2416.5 | 2369.3 | 2285.7 | 2144.2 | 2067.0 | 1946.9 | 1891.2 |
| 15832.8 | 52.5° | 11149.9 | 6602.0 | 3284.9 | 2296.4 | 2227.8 | 2131.3 | 2075.6 | 1981.2 | 1835.4 | 1743.2 |
| 16628.3 | 55°   | 11816.7 | 6878.6 | 3216.3 | 2152.8 | 2086.3 | 2011.3 | 2002.7 | 1944.8 | 1788.3 | 1659.6 |
| 17335.9 | 57.5° | 12447.1 | 7110.2 | 3044.8 | 2007.0 | 1942.7 | 1897.6 | 1955.5 | 1927.6 | 1730.4 | 1565.3 |
| 18004.9 | 60°   | 12981.0 | 7268.9 | 2796.0 | 1859.0 | 1814.0 | 1790.4 | 1878.3 | 1869.7 | 1648.9 | 1464.5 |
| 18605.3 | 62.5° | 13405.6 | 7331.0 | 2521.6 | 1717.5 | 1706.8 | 1663.9 | 1771.1 | 1771.1 | 1546.0 | 1365.9 |
| 19132.7 | 65°   | 13737.9 | 7271.0 | 2242.8 | 1578.1 | 1599.6 | 1535.3 | 1640.3 | 1627.5 | 1436.6 | 1277.9 |
| 19739.6 | 67.5° | 14031.7 | 7073.7 | 1934.1 | 1440.9 | 1490.2 | 1408.7 | 1503.1 | 1473.1 | 1316.5 | 1190.0 |
| 20264.9 | 70°   | 14162.5 | 6614.9 | 1582.4 | 1303.7 | 1363.7 | 1284.4 | 1365.9 | 1310.1 | 1181.5 | 1095.7 |
| 19688.1 | 72.5° | 13111.8 | 5497.7 | 1245.8 | 1160.0 | 1211.5 | 1147.2 | 1217.9 | 1153.6 | 1035.7 | 997.1  |
| 17001.4 | 75°   | 10847.5 | 4125.5 | 958.5  | 1003.5 | 1042.1 | 992.8  | 1039.9 | 992.8  | 885.6  | 913.4  |
| 12558.6 | 77.5° | 7877.8  | 2785.3 | 733.3  | 838.4  | 855.5  | 829.8  | 870.5  | 816.9  | 720.5  | 714.0  |
| 6258.9  | 80°   | 3917.5  | 1631.7 | 574.6  | 662.6  | 656.1  | 639.0  | 686.1  | 660.4  | 578.9  | 613.2  |
| 1689.6  | 82.5° | 1134.3  | 699.0  | 418.1  | 465.3  | 452.4  | 456.7  | 491.0  | 503.9  | 754.8  | 748.3  |
| 525.3   | 85°   | 355.9   | 274.5  | 250.9  | 259.4  | 246.6  | 253.0  | 289.5  | 574.6  | 531.8  | 310.9  |
| 163.0   | 87.5° | 92.2    | 94.3   | 62.2   | 66.5   | 68.6   | 81.5   | 92.2   | 349.5  | 167.2  | 109.4  |
| 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°   |
|--------|
| 7316.0 |
| 6966.5 |
| 6216.1 |
| 5180.4 |
| 4376.3 |
| 4003.2 |
| 3735.2 |
| 3643.0 |
| 3615.1 |
| 3510.1 |
| 3334.2 |
| 3190.6 |
| 3055.5 |
| 2907.5 |
| 2742.4 |
| 2555.9 |
| 2264.3 |
| 2127.1 |
| 2212.8 |
| 2152.8 |
| 1906.2 |
| 1741.1 |
| 1659.6 |
| 1556.7 |
| 1458.1 |
| 1359.4 |
| 1269.4 |
| 1181.5 |
| 1078.5 |
| 964.9  |
| 834.1  |
| 681.9  |
| 606.8  |
| 765.5  |
| 336.6  |
| 115.8  |
| 0.0    |