

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: P952887

Luminaire Tested: **GLAN-SB6C-835-U-T2R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-835-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 42905 lumens  
Efficiency: N/A  
Efficacy: 142.6 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



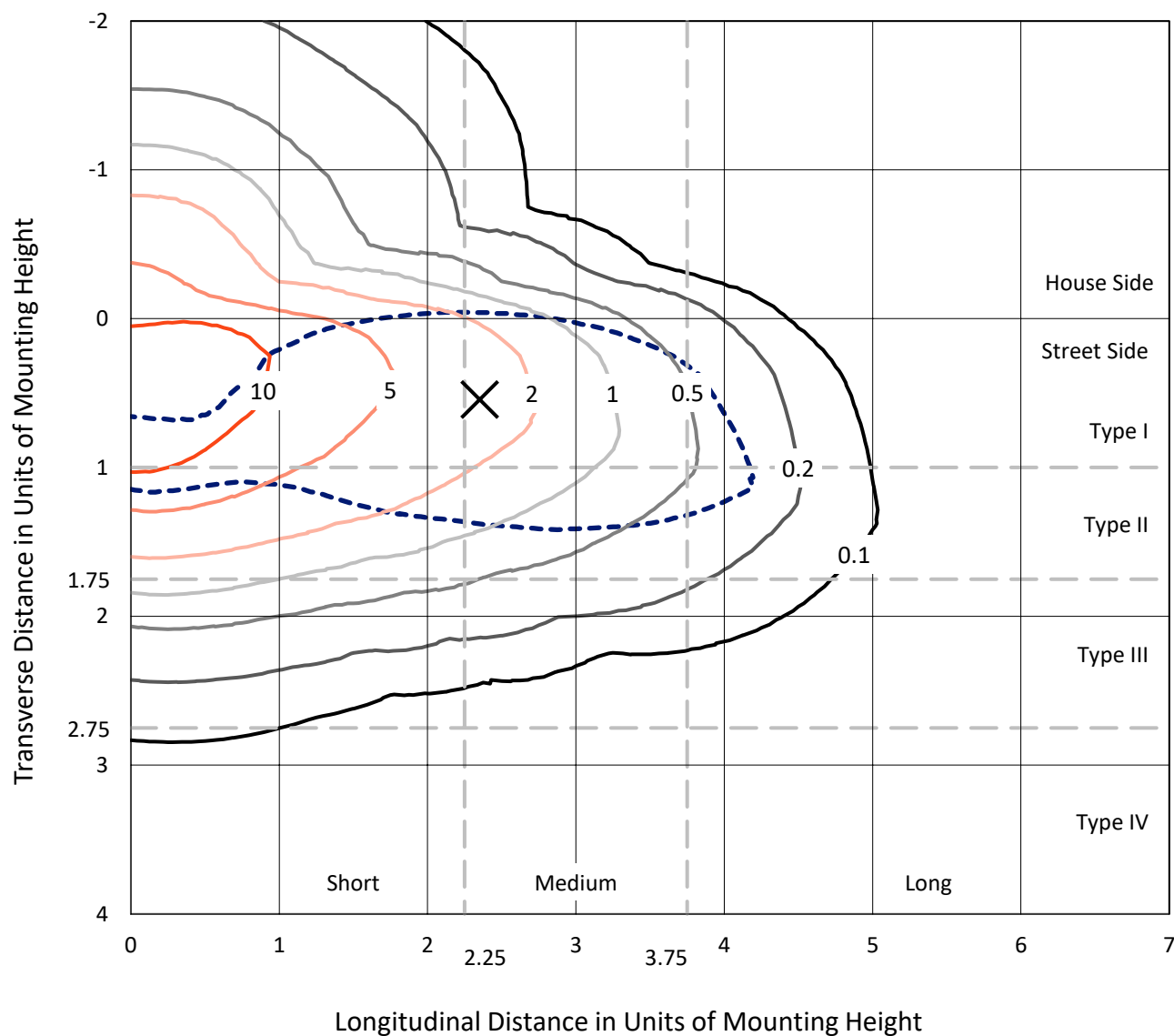
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

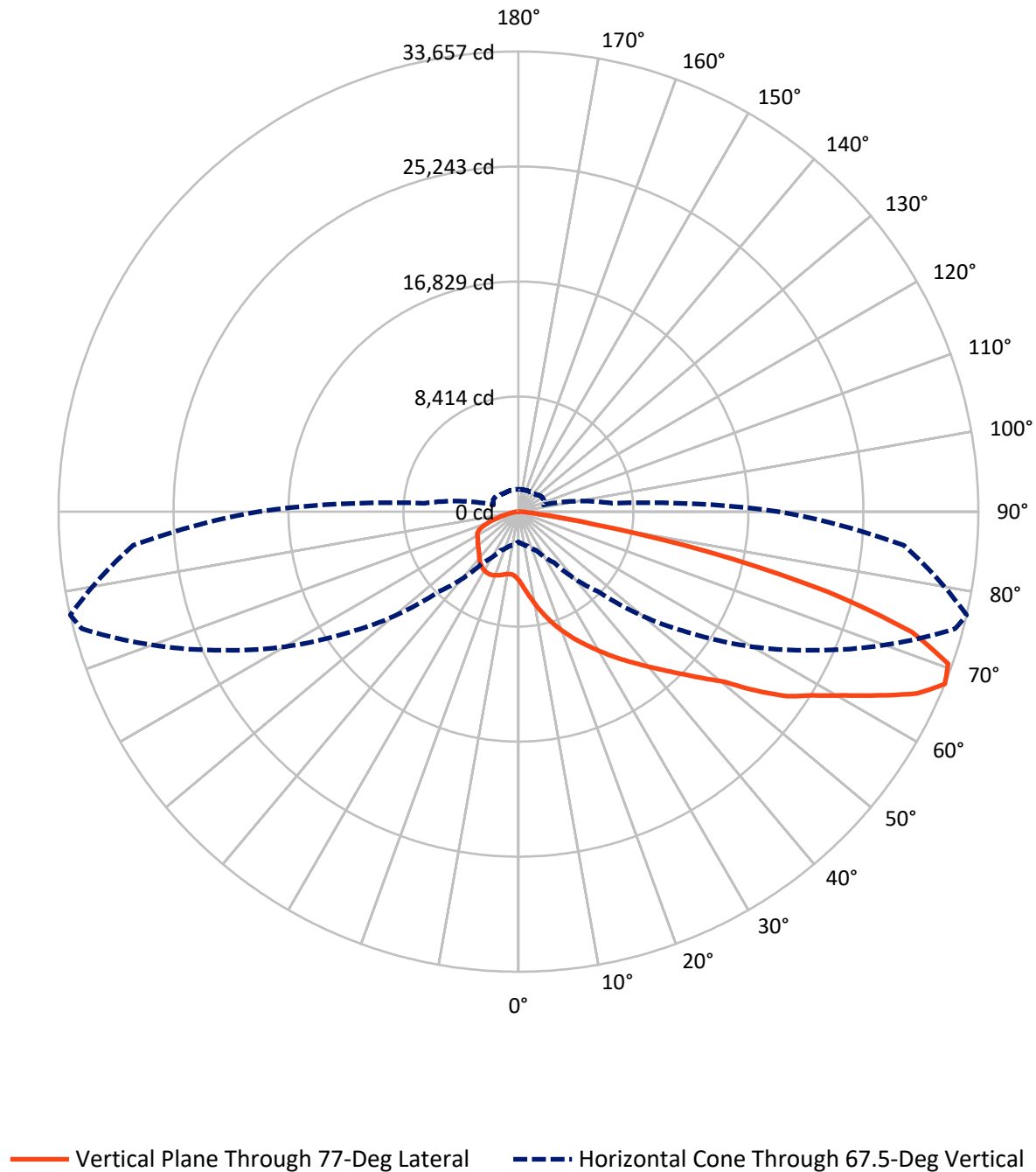
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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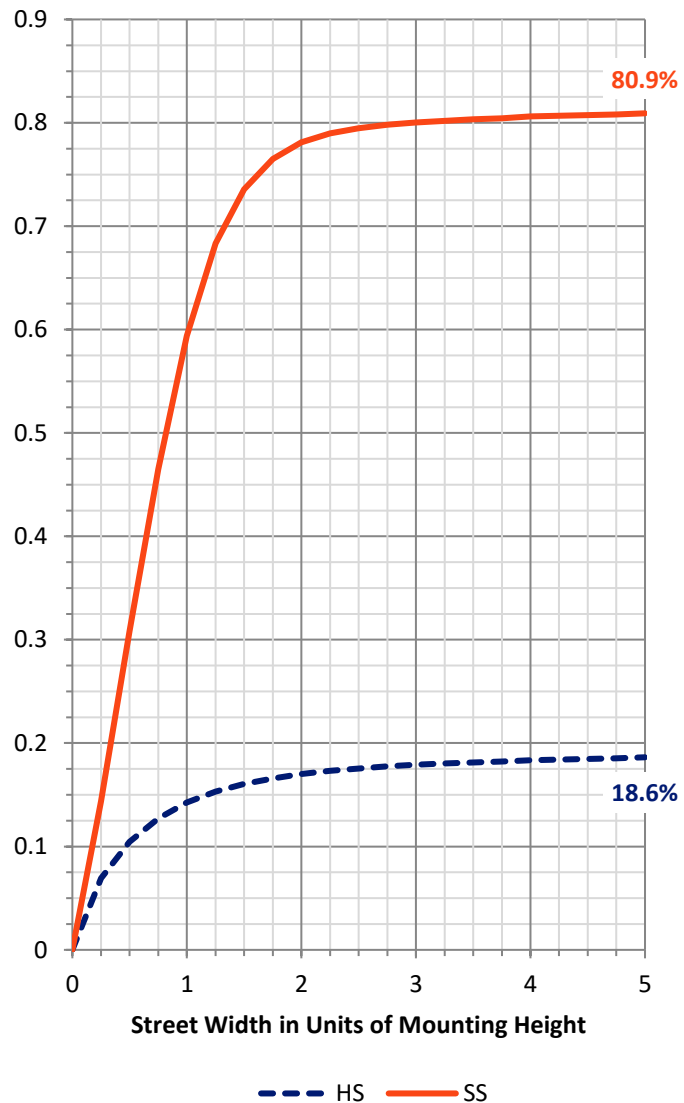
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8115.9   | 0.0    | 8115.9  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 34789.1  | 0.0    | 34789.1 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 42905.0  | 0.0    | 42905.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 539.6   | 1.3       |
| 10°-20°   | 1938.5  | 4.5       |
| 20°-30°   | 3660.1  | 8.5       |
| 30°-40°   | 5896.4  | 13.7      |
| 40°-50°   | 8065.2  | 18.8      |
| 50°-60°   | 9097.6  | 21.2      |
| 60°-70°   | 8491.5  | 19.8      |
| 70°-80°   | 4654.7  | 10.8      |
| 80°-90°   | 561.5   | 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°    | 42905.0 | 100.0     |
| 0°-180°   | 42905.0 | 100.0     |

**Coefficient of Utilization**



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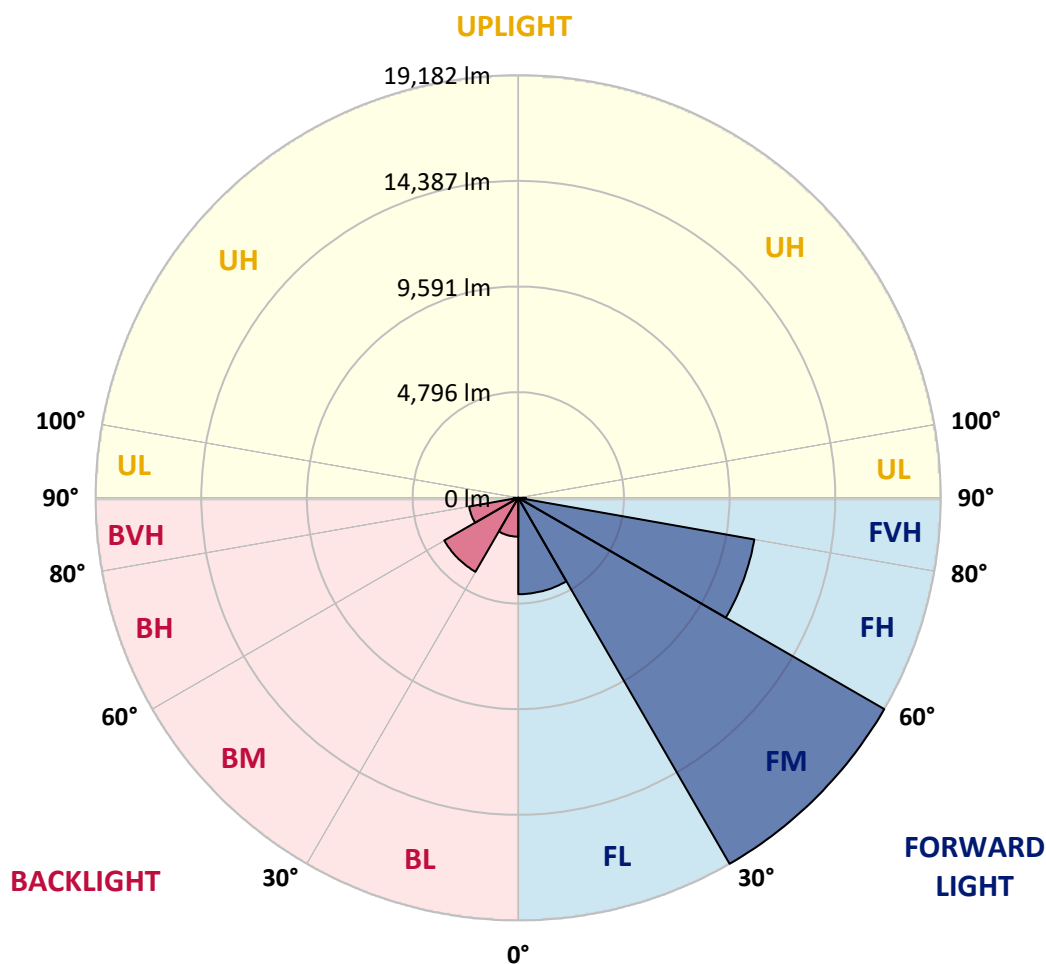
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4373.6  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 19182.4 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 10882.0 | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 351.1   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1764.6  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3876.8  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2264.2  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 210.3   | 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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  | 5034.1  |
| 2.5°  | 6303.1  | 6347.4  | 6292.1  | 6292.1  | 6106.0  | 6008.6  | 5822.5  | 5680.8  | 5426.1  | 5381.8  |
| 5°    | 7450.4  | 7505.7  | 7428.2  | 7395.0  | 7175.7  | 6974.2  | 6661.9  | 6354.1  | 5900.1  | 5853.5  |
| 7.5°  | 8338.5  | 8409.3  | 8340.7  | 8305.3  | 8110.4  | 7884.5  | 7519.0  | 7089.4  | 6449.3  | 6358.5  |
| 10°   | 9062.7  | 9073.8  | 9051.6  | 9064.9  | 8912.1  | 8726.1  | 8351.8  | 7851.2  | 7051.7  | 6927.7  |
| 12.5° | 9472.4  | 9523.4  | 9567.6  | 9647.4  | 9620.8  | 9505.6  | 9169.0  | 8571.0  | 7689.6  | 7530.1  |
| 15°   | 9665.1  | 9753.7  | 9853.3  | 10037.2 | 10185.6 | 10214.4 | 9957.4  | 9344.0  | 8338.5  | 8145.8  |
| 17.5° | 9733.8  | 9817.9  | 9975.2  | 10240.9 | 10559.8 | 10774.7 | 10659.5 | 10094.8 | 8980.7  | 8759.3  |
| 20°   | 10081.5 | 10105.8 | 10201.1 | 10453.5 | 10799.0 | 11155.6 | 11242.0 | 10816.8 | 9616.4  | 9366.1  |
| 22.5° | 10825.6 | 10776.9 | 10803.5 | 10918.6 | 11166.7 | 11512.2 | 11709.3 | 11454.6 | 10269.7 | 9981.8  |
| 25°   | 12054.8 | 11913.1 | 11771.3 | 11638.4 | 11764.7 | 11959.6 | 12183.2 | 12092.4 | 10954.1 | 10588.6 |
| 27.5° | 13607.3 | 13434.6 | 13122.3 | 12686.0 | 12533.2 | 12601.8 | 12701.5 | 12683.8 | 11587.5 | 11217.6 |
| 30°   | 15135.5 | 14933.9 | 14561.9 | 13930.7 | 13527.6 | 13346.0 | 13270.7 | 13219.7 | 12276.3 | 11882.0 |
| 32.5° | 16355.8 | 16196.3 | 15830.9 | 15124.4 | 14539.7 | 14229.7 | 13979.4 | 13797.8 | 12996.1 | 12601.8 |
| 35°   | 17423.3 | 17274.9 | 16856.3 | 16085.6 | 15450.0 | 15120.0 | 14792.2 | 14404.6 | 13744.6 | 13346.0 |
| 37.5° | 18397.8 | 18249.4 | 17675.8 | 16874.1 | 16234.0 | 16005.9 | 15713.5 | 15055.8 | 14495.4 | 14118.9 |
| 40°   | 19013.5 | 18980.3 | 18444.3 | 17536.3 | 16871.8 | 16758.9 | 16661.4 | 15811.0 | 15328.2 | 14978.2 |
| 42.5° | 19170.7 | 19243.8 | 18818.6 | 18072.2 | 17438.8 | 17348.0 | 17576.1 | 16665.9 | 16262.8 | 15928.4 |
| 45°   | 18792.0 | 19002.4 | 18723.4 | 18216.2 | 17841.9 | 17793.2 | 18386.7 | 17600.5 | 17297.1 | 16991.4 |
| 47.5° | 17833.0 | 18189.6 | 18074.4 | 18003.6 | 17950.4 | 18160.8 | 19099.9 | 18592.7 | 18468.7 | 18202.9 |
| 50°   | 15897.4 | 16572.9 | 16774.4 | 17221.8 | 17735.6 | 18446.5 | 19748.8 | 19675.7 | 19837.4 | 19569.4 |
| 52.5° | 12550.9 | 13481.1 | 14650.5 | 15771.1 | 17075.6 | 18351.3 | 20461.9 | 21230.4 | 21912.6 | 21766.4 |
| 55°   | 10360.5 | 10779.1 | 11678.3 | 13733.6 | 15795.5 | 17950.4 | 20783.1 | 22486.2 | 23972.3 | 23841.6 |
| 57.5° | 8677.3  | 9051.6  | 9605.3  | 11321.7 | 13859.8 | 17040.2 | 20982.4 | 23252.5 | 25383.1 | 25369.8 |
| 60°   | 6872.3  | 7268.8  | 7835.7  | 9051.6  | 11598.6 | 15467.7 | 20938.1 | 24125.1 | 27183.6 | 27294.4 |
| 62.5° | 4834.8  | 5271.1  | 5900.1  | 7034.0  | 9288.6  | 13430.1 | 20034.5 | 24756.3 | 29303.1 | 29604.3 |
| 65°   | 3178.1  | 3466.1  | 3940.0  | 4918.9  | 6921.0  | 10810.1 | 18309.2 | 24838.2 | 31571.0 | 32080.4 |
| 67.5° | 2228.0  | 2338.8  | 2617.8  | 3149.4  | 4562.4  | 8289.7  | 15560.7 | 23990.0 | 33083.7 | 33657.3 |
| 70°   | 1738.6  | 1793.9  | 1935.7  | 2148.3  | 2865.9  | 5574.5  | 11924.1 | 21784.1 | 32760.3 | 33358.3 |
| 72.5° | 1501.6  | 1554.7  | 1607.9  | 1634.5  | 1922.4  | 3441.7  | 8077.1  | 18214.0 | 29715.1 | 30120.4 |
| 75°   | 1362.1  | 1375.3  | 1419.6  | 1410.8  | 1466.2  | 2232.5  | 4662.0  | 13270.7 | 23445.2 | 23305.6 |
| 77.5° | 1145.0  | 1162.7  | 1235.8  | 1224.7  | 1302.3  | 1526.0  | 2420.7  | 8564.4  | 15199.7 | 14251.8 |
| 80°   | 970.1   | 978.9   | 1058.6  | 1045.4  | 1131.7  | 1105.2  | 1235.8  | 4365.2  | 6447.1  | 5461.5  |
| 82.5° | 336.6   | 416.4   | 808.4   | 832.7   | 863.7   | 668.8   | 713.1   | 1780.6  | 1968.9  | 1508.2  |
| 85°   | 163.9   | 175.0   | 411.9   | 584.7   | 582.5   | 336.6   | 347.7   | 635.6   | 620.1   | 487.2   |
| 87.5° | 26.6    | 33.2    | 48.7    | 228.1   | 181.6   | 88.6    | 119.6   | 124.0   | 128.5   | 110.7   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5034.1  | 0°    | 5034.1  | 5034.1 | 5034.1 | 5034.1 | 5034.1 | 5034.1 | 5034.1 | 5034.1 | 5034.1 | 5034.1 |
| 5213.5  | 2.5°  | 5089.5  | 4978.7 | 4746.2 | 4531.3 | 4363.0 | 4201.3 | 4110.5 | 4033.0 | 3988.7 | 3979.9 |
| 5457.1  | 5°    | 5226.8  | 4998.7 | 4575.6 | 4219.1 | 3986.5 | 3813.8 | 3723.0 | 3665.4 | 3636.6 | 3618.9 |
| 5784.9  | 7.5°  | 5423.9  | 5089.5 | 4487.1 | 4081.8 | 3838.1 | 3714.1 | 3667.6 | 3658.7 | 3656.5 | 3658.7 |
| 6181.3  | 10°   | 5696.3  | 5237.8 | 4478.2 | 4048.5 | 3844.8 | 3776.1 | 3773.9 | 3776.1 | 3785.0 | 3787.2 |
| 6613.2  | 12.5° | 5990.9  | 5390.7 | 4513.6 | 4077.3 | 3928.9 | 3891.3 | 3884.6 | 3882.4 | 3889.1 | 3893.5 |
| 7049.5  | 15°   | 6312.0  | 5592.2 | 4573.4 | 4139.3 | 4022.0 | 3982.1 | 3975.4 | 3962.2 | 3959.9 | 3957.7 |
| 7507.9  | 17.5° | 6642.0  | 5791.5 | 4639.9 | 4205.8 | 4081.8 | 4026.4 | 4002.0 | 3971.0 | 3946.7 | 3940.0 |
| 7981.9  | 20°   | 6976.4  | 5988.6 | 4686.4 | 4239.0 | 4086.2 | 4008.7 | 3959.9 | 3906.8 | 3864.7 | 3840.3 |
| 8460.3  | 22.5° | 7333.0  | 6194.6 | 4715.2 | 4230.1 | 4046.3 | 3940.0 | 3851.4 | 3789.4 | 3725.2 | 3683.1 |
| 8943.1  | 25°   | 7680.7  | 6374.0 | 4713.0 | 4183.6 | 3968.8 | 3833.7 | 3720.8 | 3641.0 | 3552.4 | 3508.1 |
| 9441.4  | 27.5° | 8015.1  | 6535.7 | 4657.6 | 4101.7 | 3858.1 | 3707.5 | 3572.4 | 3477.1 | 3390.8 | 3348.7 |
| 9944.2  | 30°   | 8360.6  | 6670.8 | 4571.2 | 3982.1 | 3727.4 | 3561.3 | 3412.9 | 3331.0 | 3253.4 | 3213.6 |
| 10475.7 | 32.5° | 8703.9  | 6794.8 | 4449.4 | 3833.7 | 3576.8 | 3417.3 | 3271.2 | 3195.9 | 3149.4 | 3149.4 |
| 11047.1 | 35°   | 9067.1  | 6881.2 | 4287.7 | 3661.0 | 3417.3 | 3264.5 | 3149.4 | 3105.1 | 3100.6 | 3074.1 |
| 11651.7 | 37.5° | 9450.3  | 6936.5 | 4090.6 | 3483.8 | 3260.1 | 3116.1 | 3080.7 | 3027.5 | 2983.2 | 2925.7 |
| 12316.1 | 40°   | 9853.3  | 6991.9 | 3853.6 | 3300.0 | 3094.0 | 3014.3 | 2998.7 | 2927.9 | 2801.6 | 2659.9 |
| 13069.1 | 42.5° | 10342.8 | 7029.6 | 3607.8 | 3116.1 | 2919.0 | 2892.4 | 2914.6 | 2792.8 | 2591.2 | 2484.9 |
| 13977.2 | 45°   | 10909.8 | 7091.6 | 3381.9 | 2934.5 | 2739.6 | 2739.6 | 2832.6 | 2673.2 | 2507.1 | 2440.6 |
| 15013.7 | 47.5° | 11645.1 | 7235.5 | 3171.5 | 2735.2 | 2573.5 | 2617.8 | 2651.0 | 2529.2 | 2436.2 | 2354.3 |
| 16276.1 | 50°   | 12708.1 | 7581.0 | 2954.5 | 2533.7 | 2447.3 | 2535.9 | 2489.4 | 2418.5 | 2310.0 | 2243.5 |
| 18282.6 | 52.5° | 14028.1 | 7784.8 | 2761.8 | 2352.0 | 2338.8 | 2427.3 | 2360.9 | 2294.5 | 2212.5 | 2123.9 |
| 19804.1 | 55°   | 14927.3 | 7822.4 | 2600.1 | 2219.2 | 2265.7 | 2256.8 | 2232.5 | 2172.7 | 2128.4 | 2011.0 |
| 21305.7 | 57.5° | 15932.8 | 7897.7 | 2467.2 | 2139.4 | 2219.2 | 2121.7 | 2112.9 | 2061.9 | 2004.3 | 1924.6 |
| 23137.3 | 60°   | 17135.4 | 8015.1 | 2352.0 | 2108.4 | 2179.3 | 2033.1 | 1988.8 | 1968.9 | 1911.3 | 1871.4 |
| 25341.0 | 62.5° | 18446.5 | 8121.4 | 2234.7 | 2112.9 | 2132.8 | 1946.8 | 1880.3 | 1873.7 | 1838.2 | 1824.9 |
| 27409.5 | 65°   | 19341.3 | 7831.3 | 2088.5 | 2108.4 | 2059.7 | 1858.2 | 1774.0 | 1771.8 | 1743.0 | 1738.6 |
| 28306.5 | 67.5° | 19029.0 | 6912.2 | 1891.4 | 2046.4 | 1984.4 | 1769.6 | 1676.6 | 1667.7 | 1630.0 | 1632.3 |
| 27369.7 | 70°   | 17465.4 | 5601.1 | 1619.0 | 1893.6 | 1891.4 | 1689.8 | 1574.7 | 1545.9 | 1494.9 | 1503.8 |
| 23797.3 | 72.5° | 14533.1 | 4150.4 | 1253.5 | 1638.9 | 1743.0 | 1616.8 | 1457.3 | 1410.8 | 1346.6 | 1355.4 |
| 17567.3 | 75°   | 10495.6 | 2821.6 | 912.5  | 1246.9 | 1517.1 | 1530.4 | 1342.1 | 1262.4 | 1184.9 | 1198.2 |
| 9778.0  | 77.5° | 5370.7  | 1599.0 | 671.1  | 859.3  | 1191.5 | 1390.9 | 1238.0 | 1131.7 | 1114.0 | 1238.0 |
| 2819.4  | 80°   | 1751.9  | 801.7  | 465.1  | 602.4  | 781.8  | 1138.4 | 1085.2 | 963.4  | 959.0  | 987.8  |
| 591.3   | 82.5° | 522.7   | 338.9  | 299.0  | 396.4  | 431.9  | 872.6  | 936.8  | 728.6  | 626.8  | 660.0  |
| 197.1   | 85°   | 179.4   | 163.9  | 170.5  | 197.1  | 206.0  | 511.6  | 655.6  | 482.8  | 456.2  | 502.7  |
| 44.3    | 87.5° | 42.1    | 57.6   | 48.7   | 44.3   | 44.3   | 124.0  | 254.7  | 201.5  | 279.1  | 186.0  |
| 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°   |
|--------|
| 5034.1 |
| 3979.9 |
| 3616.7 |
| 3665.4 |
| 3789.4 |
| 3895.7 |
| 3955.5 |
| 3946.7 |
| 3849.2 |
| 3685.3 |
| 3508.1 |
| 3346.5 |
| 3211.4 |
| 3151.6 |
| 3067.4 |
| 2916.8 |
| 2640.0 |
| 2487.1 |
| 2451.7 |
| 2352.0 |
| 2236.9 |
| 2106.2 |
| 2013.2 |
| 1898.0 |
| 1882.5 |
| 1824.9 |
| 1736.4 |
| 1632.3 |
| 1512.7 |
| 1353.2 |
| 1202.6 |
| 1220.3 |
| 848.2  |
| 682.1  |
| 496.1  |
| 179.4  |
| 0.0    |