

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: P951070

Luminaire Tested: **GLAN-SB5B-830-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-830-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25994 lumens  
Efficiency: N/A  
Efficacy: 142.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 182.7  
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



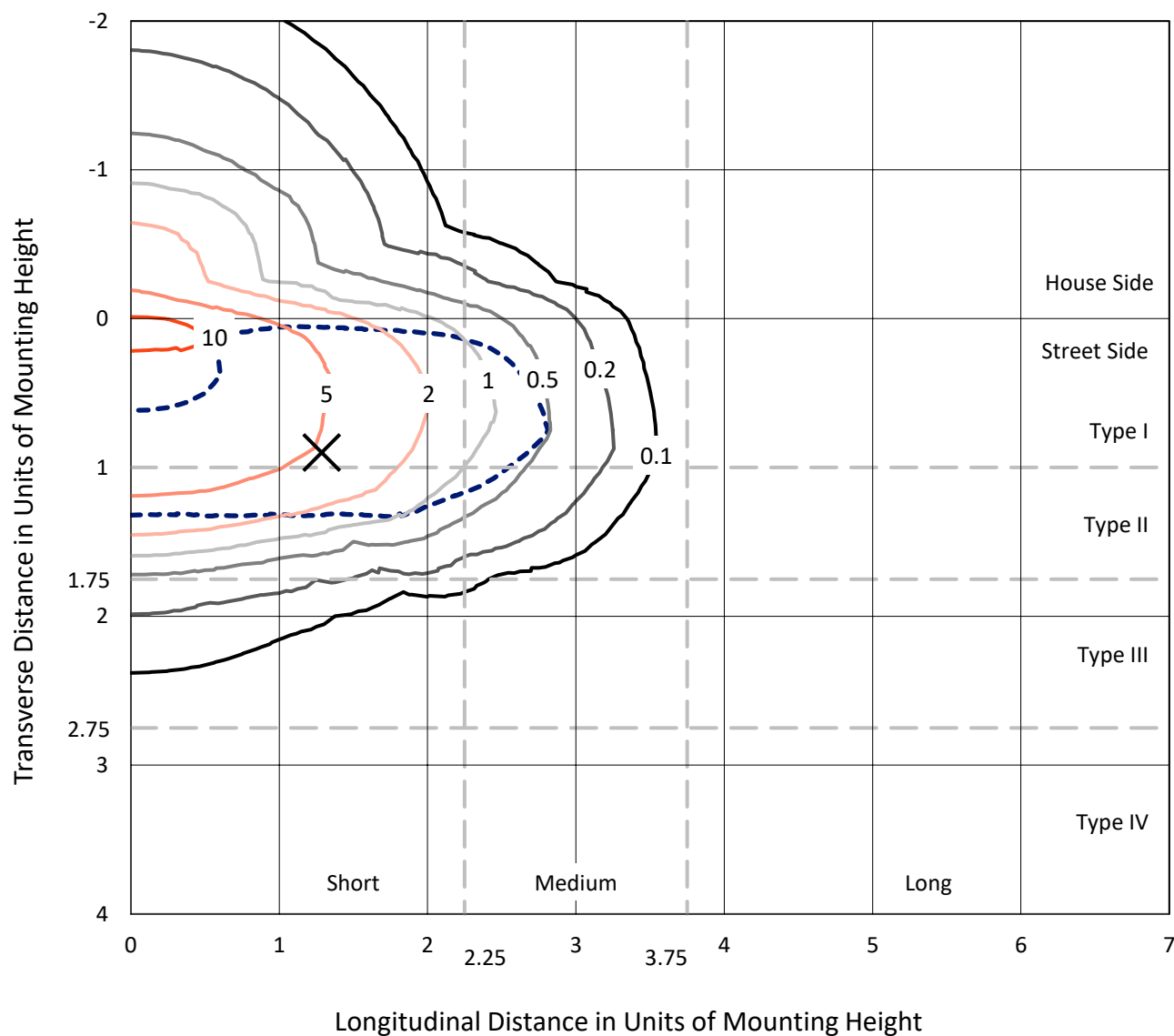
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

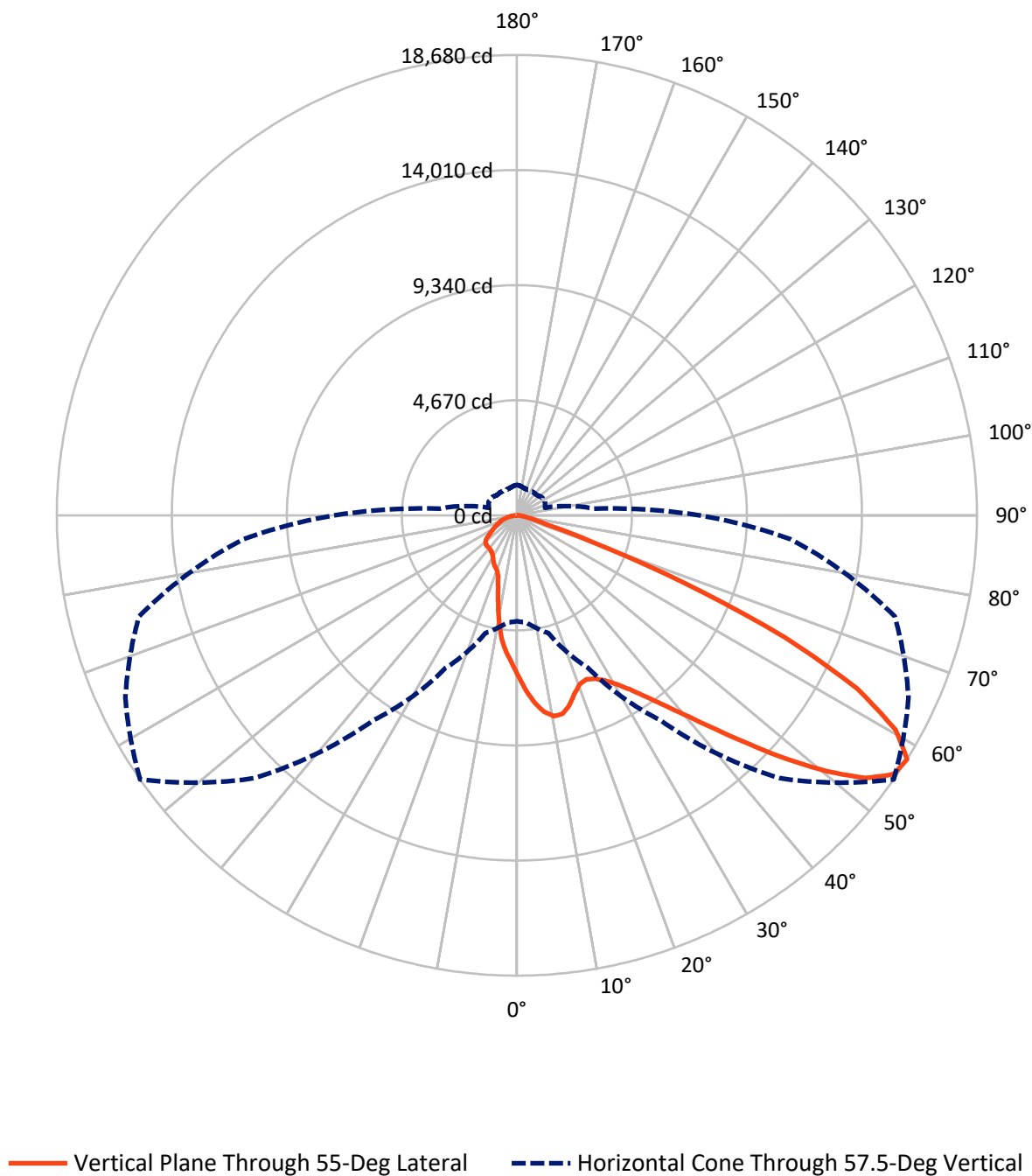


Based on 25 foot mounting height. Maximum calculated value = 12.6 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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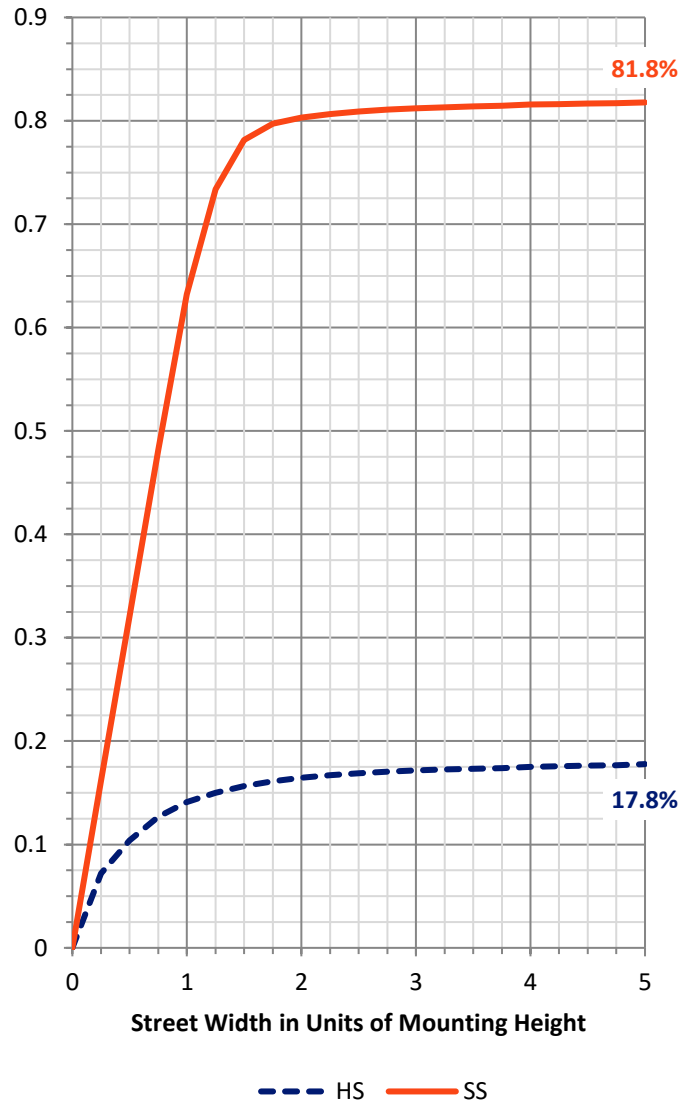
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4703.5   | 0.0    | 4703.5  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 21290.5  | 0.0    | 21290.5 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 25994.0  | 0.0    | 25994.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 604.4   | 2.3       |
| 10°-20°   | 1525.5  | 5.9       |
| 20°-30°   | 2434.3  | 9.4       |
| 30°-40°   | 3854.1  | 14.8      |
| 40°-50°   | 5899.0  | 22.7      |
| 50°-60°   | 6318.4  | 24.3      |
| 60°-70°   | 3975.0  | 15.3      |
| 70°-80°   | 1175.5  | 4.5       |
| 80°-90°   | 207.8   | 0.8       |
| 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°    | 25994.0 | 100.0     |
| 0°-180°   | 25994.0 | 100.0     |

**Coefficient of Utilization**



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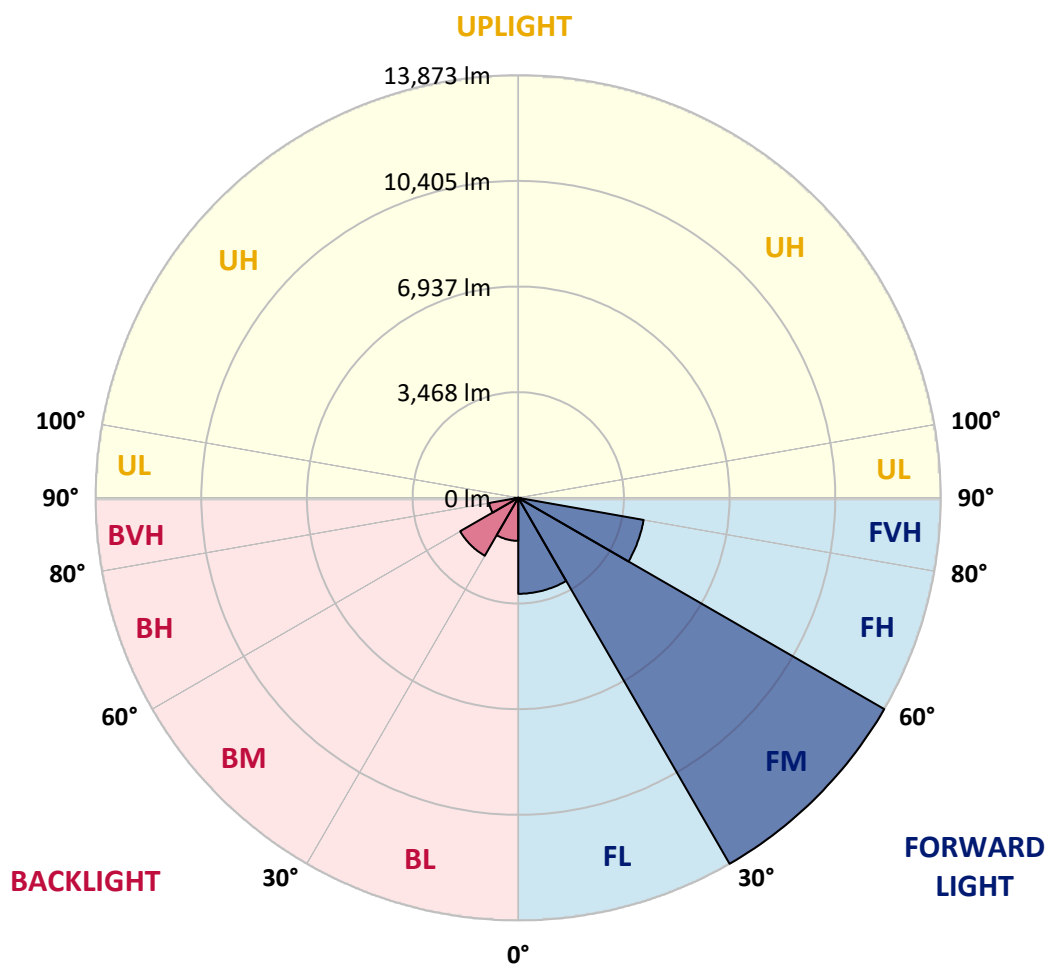
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3150.5  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 13873.2 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 4179.0  | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 87.8    | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1413.7  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2198.4  | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 971.4   | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 120.0   | 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-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  | 6513.3  |
| 2.5°  | 7472.7  | 7467.3  | 7496.9  | 7396.1  | 7327.6  | 7234.9  | 7112.6  | 6956.7  | 6788.7  | 6611.3  |
| 5°    | 8145.9  | 8098.9  | 8129.8  | 8054.6  | 7979.3  | 7839.6  | 7658.1  | 7404.2  | 7093.8  | 6740.3  |
| 7.5°  | 8039.8  | 8007.5  | 8086.8  | 8154.0  | 8210.4  | 8193.0  | 8059.9  | 7793.9  | 7393.4  | 6880.1  |
| 10°   | 7183.8  | 7147.5  | 7259.0  | 7491.5  | 7832.8  | 8129.8  | 8291.1  | 8125.8  | 7699.8  | 7033.3  |
| 12.5° | 6428.6  | 6411.1  | 6485.0  | 6673.2  | 7052.1  | 7621.9  | 8261.5  | 8416.0  | 8018.3  | 7214.7  |
| 15°   | 6106.1  | 6084.6  | 6131.6  | 6227.0  | 6468.9  | 6999.7  | 7992.7  | 8614.9  | 8331.4  | 7424.3  |
| 17.5° | 6034.9  | 6010.7  | 6030.8  | 6080.6  | 6236.4  | 6640.9  | 7586.9  | 8713.0  | 8657.9  | 7658.1  |
| 20°   | 6166.6  | 6146.4  | 6149.1  | 6146.4  | 6255.2  | 6576.4  | 7304.7  | 8675.4  | 8942.8  | 7873.1  |
| 22.5° | 6485.0  | 6451.4  | 6452.8  | 6381.6  | 6440.7  | 6689.3  | 7230.8  | 8574.6  | 9196.8  | 8061.3  |
| 25°   | 7003.7  | 6943.3  | 6955.4  | 6773.9  | 6757.8  | 6941.9  | 7346.4  | 8496.7  | 9449.4  | 8211.8  |
| 27.5° | 7713.2  | 7644.7  | 7608.4  | 7338.3  | 7209.3  | 7300.7  | 7581.5  | 8523.5  | 9688.6  | 8342.1  |
| 30°   | 8600.1  | 8516.8  | 8442.9  | 8059.9  | 7826.1  | 7792.5  | 7947.1  | 8700.9  | 9970.8  | 8479.2  |
| 32.5° | 9687.2  | 9590.5  | 9456.1  | 8948.2  | 8618.9  | 8442.9  | 8420.1  | 9016.7  | 10301.3 | 8653.9  |
| 35°   | 10981.3 | 10855.0 | 10664.2 | 10007.1 | 9590.5  | 9230.4  | 9043.6  | 9472.2  | 10754.2 | 8917.3  |
| 37.5° | 12314.3 | 12171.9 | 11997.2 | 11215.1 | 10703.1 | 10172.3 | 9804.1  | 10090.4 | 11357.5 | 9274.7  |
| 40°   | 13543.9 | 13383.9 | 13221.4 | 12525.3 | 11975.7 | 11336.0 | 10735.4 | 10872.4 | 12095.3 | 9702.0  |
| 42.5° | 14269.5 | 14151.2 | 14089.4 | 13713.2 | 13288.5 | 12639.5 | 11893.7 | 11799.6 | 12924.4 | 10193.8 |
| 45°   | 14237.2 | 14188.9 | 14379.7 | 14535.6 | 14434.8 | 14074.6 | 13250.9 | 12824.9 | 13756.2 | 10619.8 |
| 47.5° | 13476.7 | 13508.9 | 13934.9 | 14811.0 | 15196.7 | 15384.8 | 14796.3 | 13831.4 | 14479.1 | 10938.3 |
| 50°   | 11407.3 | 11434.1 | 12420.5 | 14309.8 | 15392.9 | 16453.1 | 16329.5 | 14813.7 | 15039.5 | 11133.1 |
| 52.5° | 9769.2  | 9786.7  | 10210.0 | 12823.6 | 14745.2 | 16990.6 | 17710.9 | 15739.6 | 15449.3 | 11186.9 |
| 55°   | 7358.5  | 7419.0  | 7893.3  | 10060.8 | 13060.1 | 16564.7 | 18552.1 | 16693.7 | 15708.7 | 11192.3 |
| 57.5° | 4298.7  | 4364.6  | 4950.4  | 6829.0  | 10150.8 | 15079.8 | 18679.7 | 17540.2 | 15884.7 | 11149.3 |
| 60°   | 2105.7  | 2133.9  | 2389.2  | 3589.2  | 6259.3  | 12218.9 | 17653.1 | 17950.1 | 15982.8 | 11126.4 |
| 62.5° | 1419.0  | 1415.0  | 1425.7  | 1771.1  | 3084.0  | 7850.3  | 15513.8 | 17232.5 | 15930.4 | 11039.1 |
| 65°   | 1220.1  | 1205.4  | 1165.0  | 1243.0  | 1597.7  | 3590.6  | 11986.4 | 15090.5 | 15531.3 | 10820.0 |
| 67.5° | 1054.9  | 1056.2  | 1057.5  | 1033.4  | 1140.9  | 1656.9  | 7324.9  | 11887.0 | 14098.8 | 9782.6  |
| 70°   | 873.5   | 885.5   | 890.9   | 890.9   | 929.9   | 1087.1  | 3127.0  | 8147.3  | 11121.0 | 7670.2  |
| 72.5° | 795.5   | 770.0   | 772.7   | 759.2   | 759.2   | 827.8   | 1259.1  | 4618.5  | 7006.4  | 4314.8  |
| 75°   | 649.0   | 665.2   | 667.9   | 658.4   | 627.5   | 631.6   | 747.1   | 1937.7  | 2998.0  | 1789.9  |
| 77.5° | 560.4   | 560.4   | 565.7   | 559.0   | 534.8   | 473.0   | 498.5   | 751.2   | 1019.9  | 733.7   |
| 80°   | 450.2   | 448.8   | 471.7   | 485.1   | 447.5   | 349.4   | 318.5   | 415.2   | 452.9   | 322.5   |
| 82.5° | 219.0   | 232.5   | 323.8   | 369.5   | 340.0   | 252.6   | 194.8   | 258.0   | 241.9   | 142.4   |
| 85°   | 127.7   | 120.9   | 145.1   | 205.6   | 194.8   | 139.8   | 94.1    | 134.4   | 126.3   | 72.6    |
| 87.5° | 40.3    | 37.6    | 29.6    | 69.9    | 56.4    | 39.0    | 25.5    | 39.0    | 34.9    | 16.1    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6513.3 | 0°    | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 | 6513.3 |
| 6534.8 | 2.5°  | 6439.3 | 6280.8 | 6123.6 | 5979.8 | 5892.4 | 5836.0 | 5779.6 | 5716.4 | 5692.2 | 5655.9 |
| 6552.2 | 5°    | 6374.8 | 6068.5 | 5795.7 | 5560.5 | 5346.9 | 5178.9 | 5009.6 | 4872.5 | 4810.7 | 4852.4 |
| 6607.3 | 7.5°  | 6337.2 | 5893.8 | 5473.2 | 5041.8 | 4626.6 | 4294.7 | 4005.8 | 3802.9 | 3711.5 | 3734.3 |
| 6661.1 | 10°   | 6303.6 | 5696.2 | 5055.3 | 4374.0 | 3777.3 | 3366.1 | 3070.5 | 2916.0 | 2858.2 | 2870.3 |
| 6733.6 | 12.5° | 6272.7 | 5474.5 | 4551.3 | 3655.1 | 3020.8 | 2749.4 | 2664.7 | 2666.0 | 2676.8 | 2684.9 |
| 6849.2 | 15°   | 6267.3 | 5207.1 | 3988.3 | 3026.2 | 2612.3 | 2594.8 | 2686.2 | 2744.0 | 2774.9 | 2784.3 |
| 6945.9 | 17.5° | 6259.3 | 4887.3 | 3414.5 | 2597.5 | 2512.8 | 2631.1 | 2715.8 | 2753.4 | 2777.6 | 2778.9 |
| 7040.0 | 20°   | 6227.0 | 4481.5 | 2885.1 | 2393.3 | 2491.3 | 2593.5 | 2645.9 | 2675.4 | 2695.6 | 2702.3 |
| 7111.2 | 22.5° | 6127.6 | 4030.0 | 2472.5 | 2301.9 | 2405.3 | 2487.3 | 2549.1 | 2582.7 | 2594.8 | 2602.9 |
| 7124.7 | 25°   | 5948.9 | 3524.7 | 2187.7 | 2214.5 | 2285.8 | 2389.2 | 2438.9 | 2445.7 | 2441.6 | 2453.7 |
| 7091.1 | 27.5° | 5715.1 | 2983.2 | 2010.3 | 2096.3 | 2187.7 | 2276.3 | 2303.2 | 2299.2 | 2291.1 | 2304.6 |
| 7033.3 | 30°   | 5432.9 | 2496.7 | 1897.4 | 1963.2 | 2088.2 | 2168.8 | 2193.0 | 2183.6 | 2167.5 | 2182.3 |
| 7003.7 | 32.5° | 5134.5 | 2099.0 | 1804.7 | 1870.5 | 2006.2 | 2085.5 | 2109.7 | 2100.3 | 2088.2 | 2100.3 |
| 7037.3 | 35°   | 4856.4 | 1820.8 | 1718.7 | 1808.7 | 1941.7 | 2019.7 | 2050.6 | 2051.9 | 2051.9 | 2066.7 |
| 7126.0 | 37.5° | 4601.1 | 1658.2 | 1647.5 | 1769.7 | 1897.4 | 1967.3 | 2011.6 | 2014.3 | 1956.5 | 1960.6 |
| 7276.5 | 40°   | 4364.6 | 1589.7 | 1615.2 | 1744.2 | 1854.4 | 1921.6 | 1924.3 | 1773.8 | 1667.6 | 1664.9 |
| 7448.5 | 42.5° | 4171.1 | 1576.2 | 1624.6 | 1741.5 | 1823.5 | 1826.2 | 1636.7 | 1519.8 | 1490.2 | 1491.6 |
| 7607.1 | 45°   | 3989.7 | 1572.2 | 1646.1 | 1741.5 | 1777.8 | 1577.6 | 1449.9 | 1419.0 | 1421.7 | 1432.5 |
| 7678.3 | 47.5° | 3786.7 | 1556.1 | 1650.1 | 1717.3 | 1646.1 | 1402.9 | 1365.3 | 1351.8 | 1346.5 | 1349.1 |
| 7662.2 | 50°   | 3565.0 | 1498.3 | 1599.1 | 1669.0 | 1420.4 | 1327.6 | 1280.6 | 1276.6 | 1283.3 | 1287.3 |
| 7572.1 | 52.5° | 3331.2 | 1404.2 | 1511.7 | 1581.6 | 1316.9 | 1261.8 | 1209.4 | 1218.8 | 1248.4 | 1257.8 |
| 7478.1 | 55°   | 3178.0 | 1294.1 | 1396.2 | 1406.9 | 1244.3 | 1200.0 | 1155.6 | 1177.1 | 1232.2 | 1249.7 |
| 7421.6 | 57.5° | 3137.7 | 1177.1 | 1264.5 | 1252.4 | 1151.6 | 1146.2 | 1119.4 | 1138.2 | 1208.0 | 1233.6 |
| 7419.0 | 60°   | 3125.6 | 1072.3 | 1135.5 | 1126.1 | 1061.6 | 1087.1 | 1080.4 | 1089.8 | 1114.0 | 1122.0 |
| 7392.1 | 62.5° | 3031.5 | 989.0  | 1019.9 | 1006.5 | 981.0  | 1025.3 | 1041.4 | 1021.3 | 1040.1 | 1049.5 |
| 7208.0 | 65°   | 2792.4 | 921.8  | 907.0  | 897.6  | 908.4  | 948.7  | 981.0  | 940.6  | 958.1  | 985.0  |
| 6498.5 | 67.5° | 2397.3 | 830.4  | 790.1  | 800.9  | 834.5  | 856.0  | 897.6  | 852.0  | 866.7  | 912.4  |
| 5234.0 | 70°   | 1939.1 | 714.9  | 678.6  | 709.5  | 741.8  | 786.1  | 792.8  | 761.9  | 796.9  | 847.9  |
| 3194.1 | 72.5° | 1372.0 | 598.0  | 572.4  | 635.6  | 646.4  | 704.1  | 689.4  | 674.6  | 722.9  | 740.4  |
| 1578.9 | 75°   | 951.4  | 482.4  | 467.6  | 516.0  | 555.0  | 604.7  | 593.9  | 611.4  | 713.5  | 721.6  |
| 788.8  | 77.5° | 602.0  | 374.9  | 365.5  | 396.4  | 450.2  | 505.3  | 522.7  | 721.6  | 1218.8 | 1267.2 |
| 409.8  | 80°   | 349.4  | 279.5  | 268.8  | 292.9  | 340.0  | 391.0  | 503.9  | 885.5  | 803.6  | 794.2  |
| 184.1  | 82.5° | 194.8  | 192.2  | 178.7  | 185.4  | 227.1  | 282.2  | 712.2  | 623.5  | 506.6  | 522.7  |
| 73.9   | 85°   | 91.4   | 112.9  | 96.8   | 92.7   | 127.7  | 330.6  | 475.7  | 356.1  | 236.5  | 231.1  |
| 16.1   | 87.5° | 24.2   | 21.5   | 21.5   | 24.2   | 53.8   | 284.9  | 189.5  | 151.8  | 90.0   | 87.3   |
| 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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