

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: P950661

Luminaire Tested: **GLAN-SB5A-750-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950661  
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-SB5A-750-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24418 lumens  
Efficiency: N/A  
Efficacy: 172.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7  
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

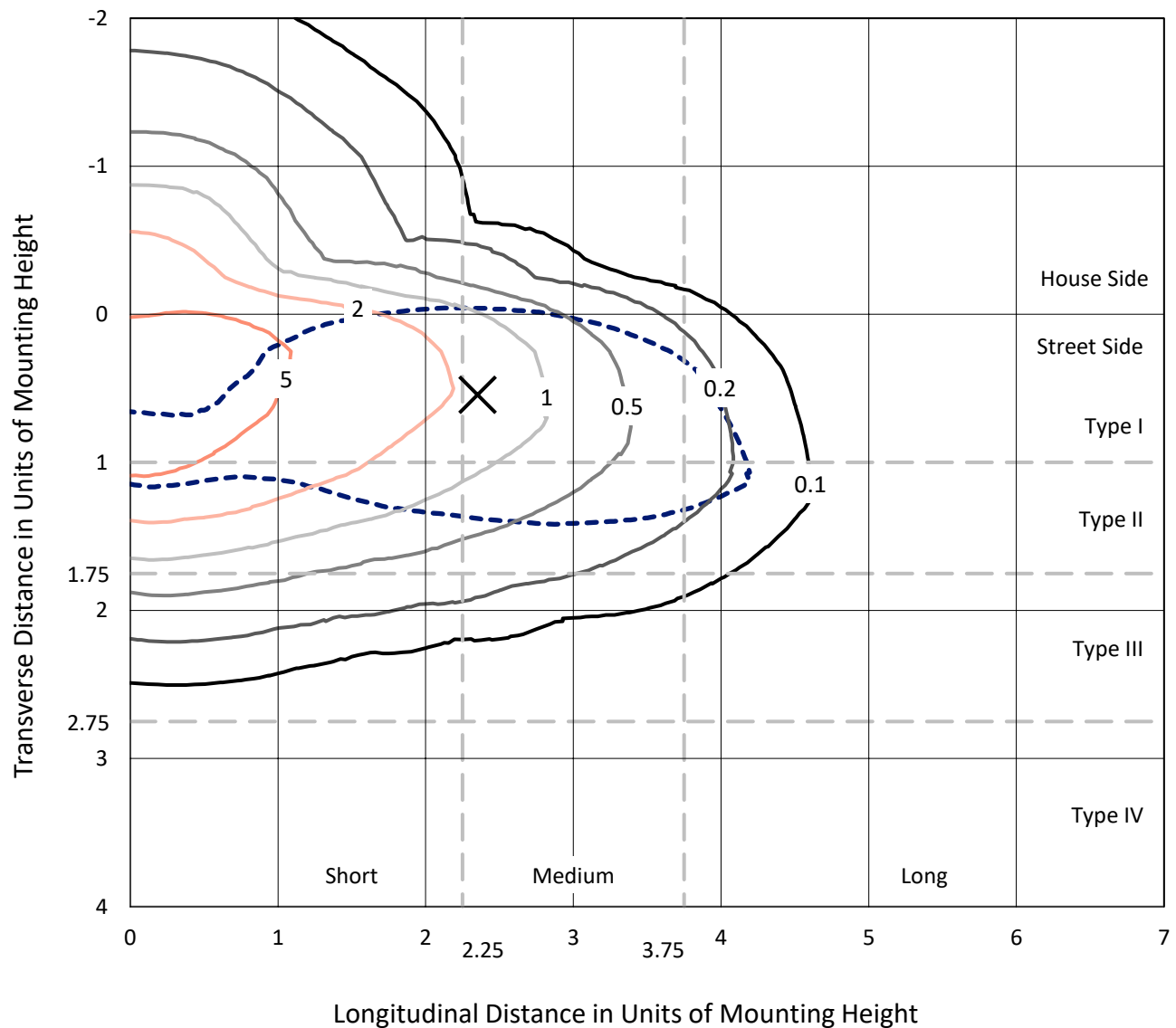


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## Iso-Footcandle Lines of Horizontal Illumination

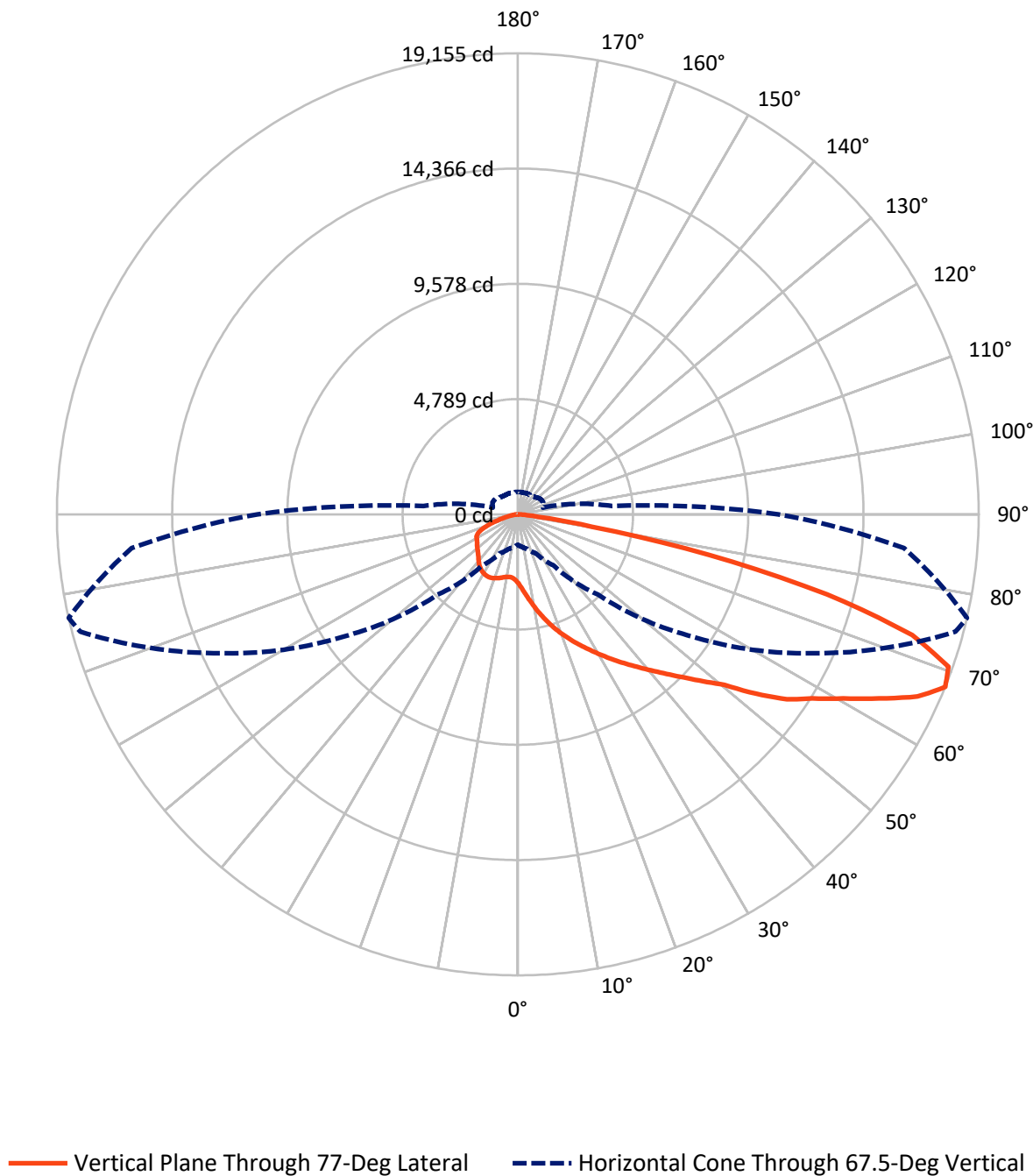
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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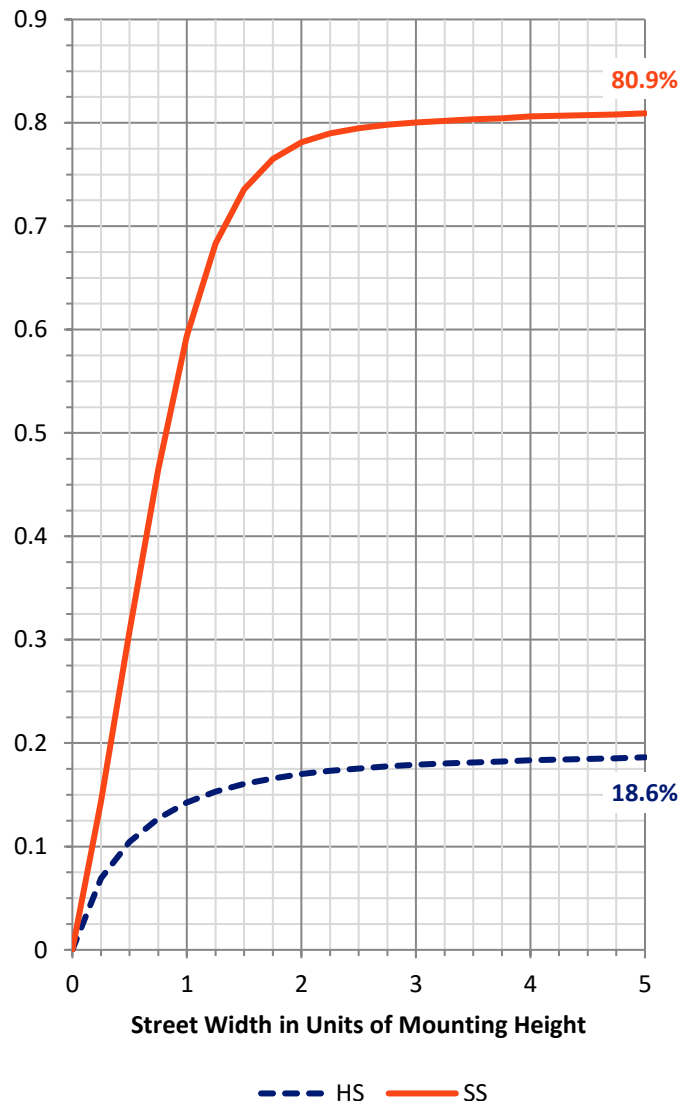
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4618.9   | 0.0    | 4618.9  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 19799.1  | 0.0    | 19799.1 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 24418.0  | 0.0    | 24418.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 307.1   | 1.3       |
| 10°-20°   | 1103.2  | 4.5       |
| 20°-30°   | 2083.0  | 8.5       |
| 30°-40°   | 3355.7  | 13.7      |
| 40°-50°   | 4590.0  | 18.8      |
| 50°-60°   | 5177.6  | 21.2      |
| 60°-70°   | 4832.6  | 19.8      |
| 70°-80°   | 2649.1  | 10.8      |
| 80°-90°   | 319.5   | 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°    | 24418.0 | 100.0     |
| 0°-180°   | 24418.0 | 100.0     |

**Coefficient of Utilization**



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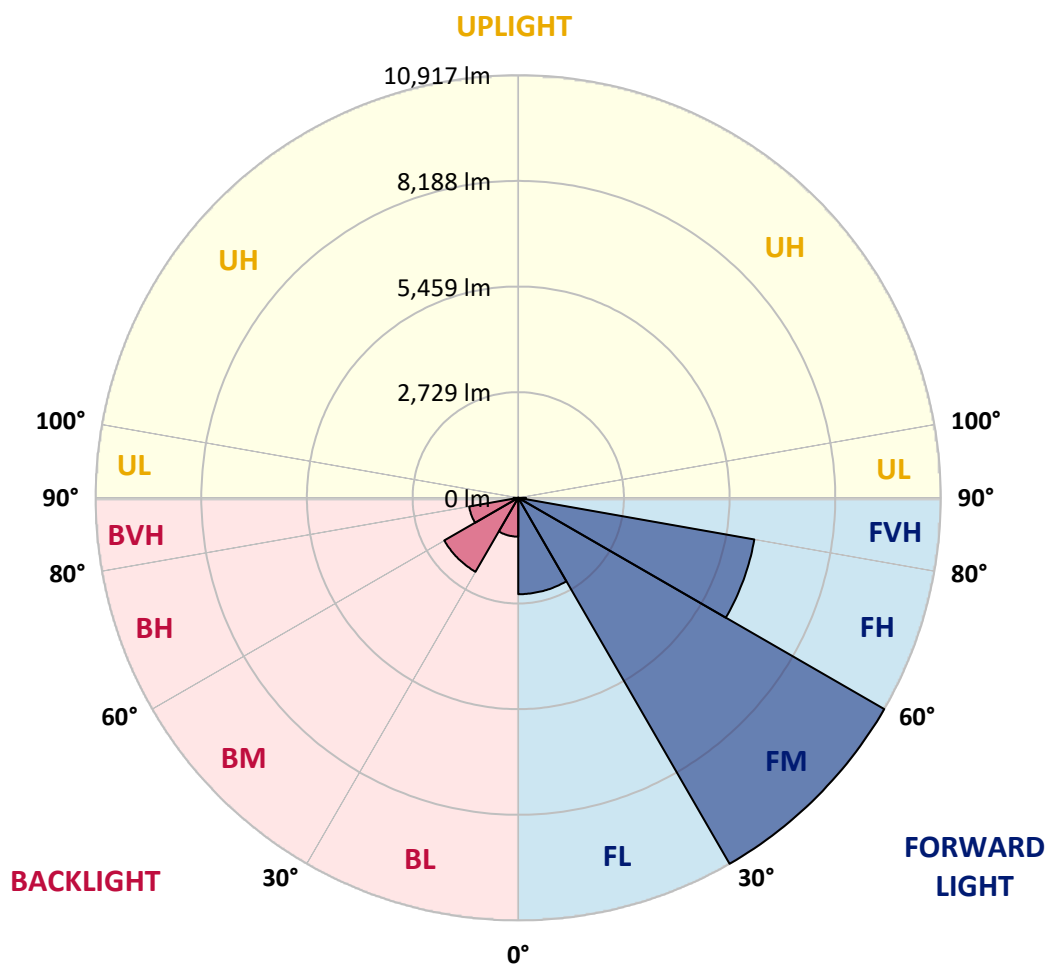
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2489.1  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 10917.0 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 6193.1  | 25.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 199.8   | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1004.3  | 4.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2206.3  | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1288.6  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 119.7   | 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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  | 2865.0  |
| 2.5°  | 3587.2  | 3612.4  | 3580.9  | 3580.9  | 3475.0  | 3419.6  | 3313.7  | 3233.0  | 3088.1  | 3062.9  |
| 5°    | 4240.1  | 4271.6  | 4227.5  | 4208.6  | 4083.8  | 3969.1  | 3791.4  | 3616.2  | 3357.8  | 3331.4  |
| 7.5°  | 4745.6  | 4785.9  | 4746.8  | 4726.7  | 4615.7  | 4487.2  | 4279.2  | 4034.7  | 3670.4  | 3618.7  |
| 10°   | 5157.7  | 5164.0  | 5151.4  | 5159.0  | 5072.0  | 4966.2  | 4753.1  | 4468.3  | 4013.3  | 3942.7  |
| 12.5° | 5390.9  | 5419.9  | 5445.1  | 5490.5  | 5475.4  | 5409.8  | 5218.2  | 4877.9  | 4376.3  | 4285.5  |
| 15°   | 5500.6  | 5551.0  | 5607.7  | 5712.3  | 5796.8  | 5813.2  | 5667.0  | 5317.8  | 4745.6  | 4635.9  |
| 17.5° | 5539.7  | 5587.5  | 5677.0  | 5828.3  | 6009.8  | 6132.1  | 6066.5  | 5745.1  | 5111.1  | 4985.1  |
| 20°   | 5737.5  | 5751.4  | 5805.6  | 5949.3  | 6145.9  | 6348.9  | 6398.0  | 6156.0  | 5472.8  | 5330.4  |
| 22.5° | 6161.1  | 6133.3  | 6148.4  | 6214.0  | 6355.2  | 6551.8  | 6664.0  | 6519.0  | 5844.7  | 5680.8  |
| 25°   | 6860.6  | 6779.9  | 6699.3  | 6623.6  | 6695.5  | 6806.4  | 6933.7  | 6882.0  | 6234.2  | 6026.2  |
| 27.5° | 7744.2  | 7645.9  | 7468.1  | 7219.8  | 7132.9  | 7171.9  | 7228.6  | 7218.6  | 6594.6  | 6384.2  |
| 30°   | 8613.9  | 8499.2  | 8287.4  | 7928.2  | 7698.8  | 7595.4  | 7552.6  | 7523.6  | 6986.6  | 6762.3  |
| 32.5° | 9308.4  | 9217.6  | 9009.7  | 8607.6  | 8274.8  | 8098.4  | 7955.9  | 7852.6  | 7396.3  | 7171.9  |
| 35°   | 9915.9  | 9831.5  | 9593.2  | 9154.6  | 8792.9  | 8605.1  | 8418.5  | 8197.9  | 7822.3  | 7595.4  |
| 37.5° | 10470.5 | 10386.1 | 10059.6 | 9603.3  | 9239.1  | 9109.2  | 8942.9  | 8568.5  | 8249.6  | 8035.3  |
| 40°   | 10820.9 | 10802.0 | 10497.0 | 9980.2  | 9602.1  | 9537.8  | 9482.3  | 8998.3  | 8723.5  | 8524.4  |
| 42.5° | 10910.4 | 10952.0 | 10710.0 | 10285.2 | 9924.7  | 9873.1  | 10002.9 | 9484.8  | 9255.4  | 9065.1  |
| 45°   | 10694.9 | 10814.6 | 10655.8 | 10367.2 | 10154.1 | 10126.4 | 10464.2 | 10016.8 | 9844.1  | 9670.1  |
| 47.5° | 10149.1 | 10352.0 | 10286.5 | 10246.2 | 10215.9 | 10335.6 | 10870.1 | 10581.4 | 10510.8 | 10359.6 |
| 50°   | 9047.5  | 9431.9  | 9546.6  | 9801.2  | 10093.6 | 10498.2 | 11239.4 | 11197.8 | 11289.8 | 11137.3 |
| 52.5° | 7142.9  | 7672.3  | 8337.8  | 8975.6  | 9718.0  | 10444.0 | 11645.2 | 12082.6 | 12470.8 | 12387.6 |
| 55°   | 5896.4  | 6134.6  | 6646.3  | 7816.0  | 8989.5  | 10215.9 | 11828.0 | 12797.3 | 13643.0 | 13568.7 |
| 57.5° | 4938.4  | 5151.4  | 5466.5  | 6443.4  | 7887.9  | 9697.9  | 11941.4 | 13233.4 | 14446.0 | 14438.4 |
| 60°   | 3911.2  | 4136.8  | 4459.5  | 5151.4  | 6600.9  | 8802.9  | 11916.2 | 13730.0 | 15470.7 | 15533.7 |
| 62.5° | 2751.6  | 2999.9  | 3357.8  | 4003.2  | 5286.3  | 7643.3  | 11402.0 | 14089.2 | 16676.9 | 16848.4 |
| 65°   | 1808.7  | 1972.6  | 2242.3  | 2799.4  | 3938.9  | 6152.2  | 10420.1 | 14135.9 | 17967.6 | 18257.5 |
| 67.5° | 1268.0  | 1331.0  | 1489.8  | 1792.4  | 2596.5  | 4717.8  | 8855.9  | 13653.1 | 18828.5 | 19155.0 |
| 70°   | 989.4   | 1021.0  | 1101.6  | 1222.6  | 1631.0  | 3172.5  | 6786.2  | 12397.7 | 18644.5 | 18984.8 |
| 72.5° | 854.6   | 884.8   | 915.1   | 930.2   | 1094.1  | 1958.7  | 4596.8  | 10365.9 | 16911.4 | 17142.0 |
| 75°   | 775.2   | 782.7   | 807.9   | 802.9   | 834.4   | 1270.5  | 2653.2  | 7552.6  | 13343.1 | 13263.7 |
| 77.5° | 651.6   | 661.7   | 703.3   | 697.0   | 741.1   | 868.4   | 1377.7  | 4874.1  | 8650.4  | 8111.0  |
| 80°   | 552.1   | 557.1   | 602.5   | 594.9   | 644.1   | 629.0   | 703.3   | 2484.3  | 3669.2  | 3108.3  |
| 82.5° | 191.6   | 237.0   | 460.1   | 473.9   | 491.6   | 380.7   | 405.9   | 1013.4  | 1120.5  | 858.4   |
| 85°   | 93.3    | 99.6    | 234.4   | 332.8   | 331.5   | 191.6   | 197.9   | 361.7   | 352.9   | 277.3   |
| 87.5° | 15.1    | 18.9    | 27.7    | 129.8   | 103.4   | 50.4    | 68.1    | 70.6    | 73.1    | 63.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2865.0  | 0°    | 2865.0  | 2865.0 | 2865.0 | 2865.0 | 2865.0 | 2865.0 | 2865.0 | 2865.0 | 2865.0 | 2865.0 |
| 2967.1  | 2.5°  | 2896.5  | 2833.5 | 2701.1 | 2578.9 | 2483.1 | 2391.1 | 2339.4 | 2295.3 | 2270.1 | 2265.0 |
| 3105.7  | 5°    | 2974.6  | 2844.8 | 2604.1 | 2401.1 | 2268.8 | 2170.5 | 2118.8 | 2086.0 | 2069.6 | 2059.6 |
| 3292.3  | 7.5°  | 3086.8  | 2896.5 | 2553.7 | 2323.0 | 2184.4 | 2113.8 | 2087.3 | 2082.3 | 2081.0 | 2082.3 |
| 3517.9  | 10°   | 3241.9  | 2981.0 | 2548.6 | 2304.1 | 2188.1 | 2149.1 | 2147.8 | 2149.1 | 2154.1 | 2155.4 |
| 3763.7  | 12.5° | 3409.5  | 3067.9 | 2568.8 | 2320.5 | 2236.0 | 2214.6 | 2210.8 | 2209.6 | 2213.3 | 2215.9 |
| 4012.0  | 15°   | 3592.3  | 3182.6 | 2602.8 | 2355.8 | 2289.0 | 2266.3 | 2262.5 | 2254.9 | 2253.7 | 2252.4 |
| 4272.9  | 17.5° | 3780.1  | 3296.1 | 2640.6 | 2393.6 | 2323.0 | 2291.5 | 2277.6 | 2260.0 | 2246.1 | 2242.3 |
| 4542.6  | 20°   | 3970.4  | 3408.2 | 2667.1 | 2412.5 | 2325.5 | 2281.4 | 2253.7 | 2223.4 | 2199.5 | 2185.6 |
| 4814.9  | 22.5° | 4173.3  | 3525.5 | 2683.5 | 2407.4 | 2302.8 | 2242.3 | 2191.9 | 2156.6 | 2120.1 | 2096.1 |
| 5089.7  | 25°   | 4371.2  | 3627.6 | 2682.2 | 2381.0 | 2258.7 | 2181.8 | 2117.5 | 2072.2 | 2021.8 | 1996.5 |
| 5373.3  | 27.5° | 4561.5  | 3719.6 | 2650.7 | 2334.3 | 2195.7 | 2110.0 | 2033.1 | 1978.9 | 1929.7 | 1905.8 |
| 5659.4  | 30°   | 4758.2  | 3796.5 | 2601.6 | 2266.3 | 2121.3 | 2026.8 | 1942.3 | 1895.7 | 1851.6 | 1828.9 |
| 5961.9  | 32.5° | 4953.5  | 3867.0 | 2532.2 | 2181.8 | 2035.6 | 1944.9 | 1861.7 | 1818.8 | 1792.4 | 1792.4 |
| 6287.1  | 35°   | 5160.3  | 3916.2 | 2440.2 | 2083.5 | 1944.9 | 1857.9 | 1792.4 | 1767.1 | 1764.6 | 1749.5 |
| 6631.2  | 37.5° | 5378.3  | 3947.7 | 2328.0 | 1982.7 | 1855.4 | 1773.4 | 1753.3 | 1723.0 | 1697.8 | 1665.0 |
| 7009.3  | 40°   | 5607.7  | 3979.2 | 2193.2 | 1878.1 | 1760.8 | 1715.5 | 1706.6 | 1666.3 | 1594.5 | 1513.8 |
| 7437.9  | 42.5° | 5886.3  | 4000.7 | 2053.3 | 1773.4 | 1661.3 | 1646.1 | 1658.7 | 1589.4 | 1474.7 | 1414.2 |
| 7954.7  | 45°   | 6208.9  | 4035.9 | 1924.7 | 1670.1 | 1559.2 | 1559.2 | 1612.1 | 1521.4 | 1426.8 | 1389.0 |
| 8544.6  | 47.5° | 6627.4  | 4117.9 | 1805.0 | 1556.6 | 1464.6 | 1489.8 | 1508.8 | 1439.4 | 1386.5 | 1339.9 |
| 9263.0  | 50°   | 7232.4  | 4314.5 | 1681.4 | 1441.9 | 1392.8 | 1443.2 | 1416.7 | 1376.4 | 1314.6 | 1276.8 |
| 10405.0 | 52.5° | 7983.7  | 4430.5 | 1571.8 | 1338.6 | 1331.0 | 1381.4 | 1343.6 | 1305.8 | 1259.2 | 1208.8 |
| 11270.9 | 55°   | 8495.4  | 4451.9 | 1479.8 | 1263.0 | 1289.4 | 1284.4 | 1270.5 | 1236.5 | 1211.3 | 1144.5 |
| 12125.5 | 57.5° | 9067.6  | 4494.7 | 1404.1 | 1217.6 | 1263.0 | 1207.5 | 1202.5 | 1173.5 | 1140.7 | 1095.3 |
| 13167.9 | 60°   | 9752.1  | 4561.5 | 1338.6 | 1199.9 | 1240.3 | 1157.1 | 1131.9 | 1120.5 | 1087.8 | 1065.1 |
| 14422.0 | 62.5° | 10498.2 | 4622.0 | 1271.8 | 1202.5 | 1213.8 | 1107.9 | 1070.1 | 1066.3 | 1046.2 | 1038.6 |
| 15599.3 | 65°   | 11007.5 | 4456.9 | 1188.6 | 1199.9 | 1172.2 | 1057.5 | 1009.6 | 1008.4 | 992.0  | 989.4  |
| 16109.7 | 67.5° | 10829.7 | 3933.8 | 1076.4 | 1164.7 | 1129.4 | 1007.1 | 954.2  | 949.1  | 927.7  | 928.9  |
| 15576.6 | 70°   | 9939.9  | 3187.7 | 921.4  | 1077.7 | 1076.4 | 961.7  | 896.2  | 879.8  | 850.8  | 855.8  |
| 13543.5 | 72.5° | 8271.0  | 2362.1 | 713.4  | 932.7  | 992.0  | 920.1  | 829.4  | 802.9  | 766.4  | 771.4  |
| 9997.8  | 75°   | 5973.2  | 1605.8 | 519.3  | 709.6  | 863.4  | 871.0  | 763.8  | 718.5  | 674.3  | 681.9  |
| 5564.9  | 77.5° | 3056.6  | 910.0  | 381.9  | 489.1  | 678.1  | 791.6  | 704.6  | 644.1  | 634.0  | 704.6  |
| 1604.5  | 80°   | 997.0   | 456.3  | 264.7  | 342.8  | 444.9  | 647.9  | 617.6  | 548.3  | 545.8  | 562.2  |
| 336.5   | 82.5° | 297.5   | 192.8  | 170.2  | 225.6  | 245.8  | 496.6  | 533.2  | 414.7  | 356.7  | 375.6  |
| 112.2   | 85°   | 102.1   | 93.3   | 97.1   | 112.2  | 117.2  | 291.2  | 373.1  | 274.8  | 259.7  | 286.1  |
| 25.2    | 87.5° | 23.9    | 32.8   | 27.7   | 25.2   | 25.2   | 70.6   | 145.0  | 114.7  | 158.8  | 105.9  |
| 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°   |
|--------|
| 2865.0 |
| 2265.0 |
| 2058.3 |
| 2086.0 |
| 2156.6 |
| 2217.1 |
| 2251.2 |
| 2246.1 |
| 2190.7 |
| 2097.4 |
| 1996.5 |
| 1904.5 |
| 1827.6 |
| 1793.6 |
| 1745.7 |
| 1660.0 |
| 1502.4 |
| 1415.5 |
| 1395.3 |
| 1338.6 |
| 1273.0 |
| 1198.7 |
| 1145.7 |
| 1080.2 |
| 1071.4 |
| 1038.6 |
| 988.2  |
| 928.9  |
| 860.9  |
| 770.1  |
| 684.4  |
| 694.5  |
| 482.8  |
| 388.2  |
| 282.3  |
| 102.1  |
| 0.0    |