

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: P941284

Luminaire Tested: **GLAN-SB4D-730-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941284  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 29781 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

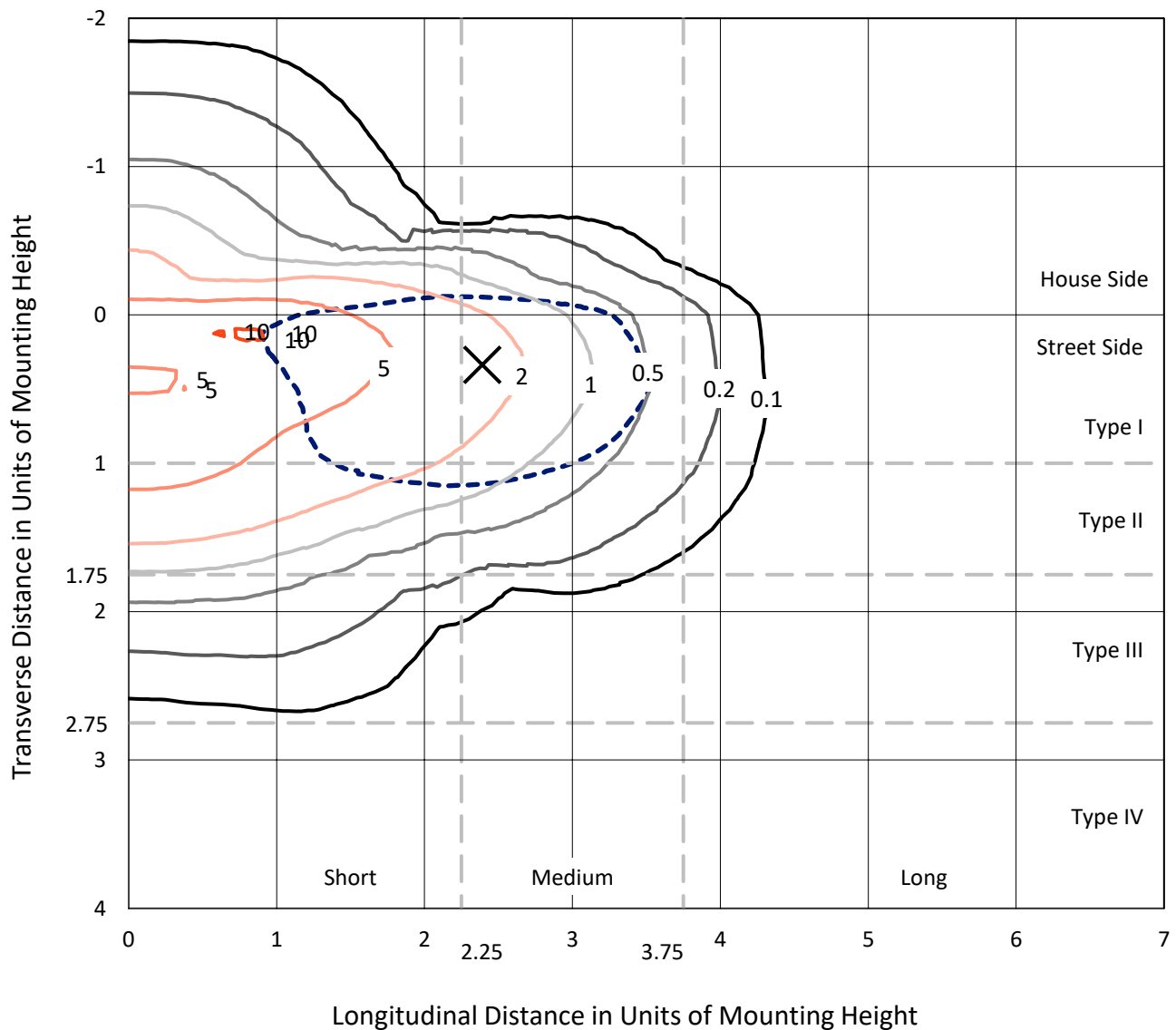
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

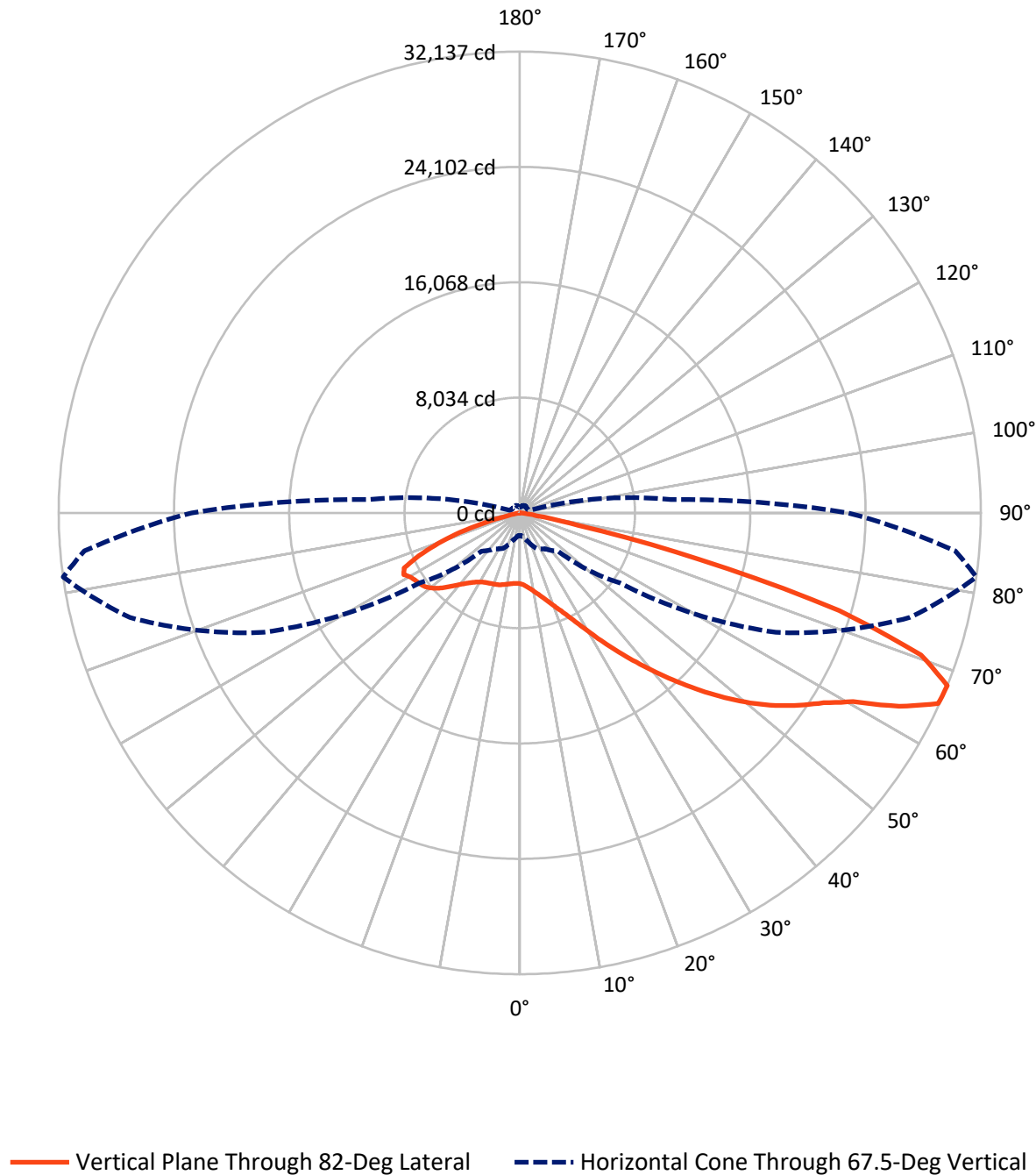
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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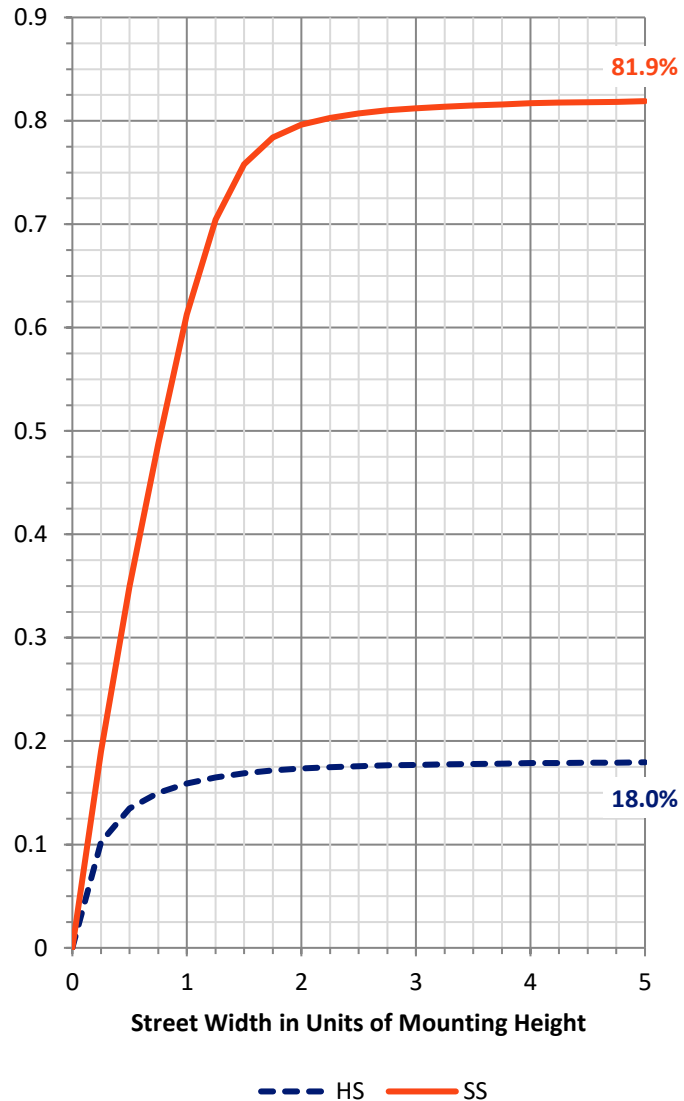
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5394.6   | 0.0    | 5394.6  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 24386.4  | 0.0    | 24386.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 29781.0  | 0.0    | 29781.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 439.6   | 1.5       |
| 10°-20°   | 1142.2  | 3.8       |
| 20°-30°   | 1829.5  | 6.1       |
| 30°-40°   | 3235.1  | 10.9      |
| 40°-50°   | 5668.2  | 19.0      |
| 50°-60°   | 7559.8  | 25.4      |
| 60°-70°   | 7037.8  | 23.6      |
| 70°-80°   | 2701.1  | 9.1       |
| 80°-90°   | 167.8   | 0.6       |
| 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°    | 29781.0 | 100.0     |
| 0°-180°   | 29781.0 | 100.0     |

**Coefficient of Utilization**



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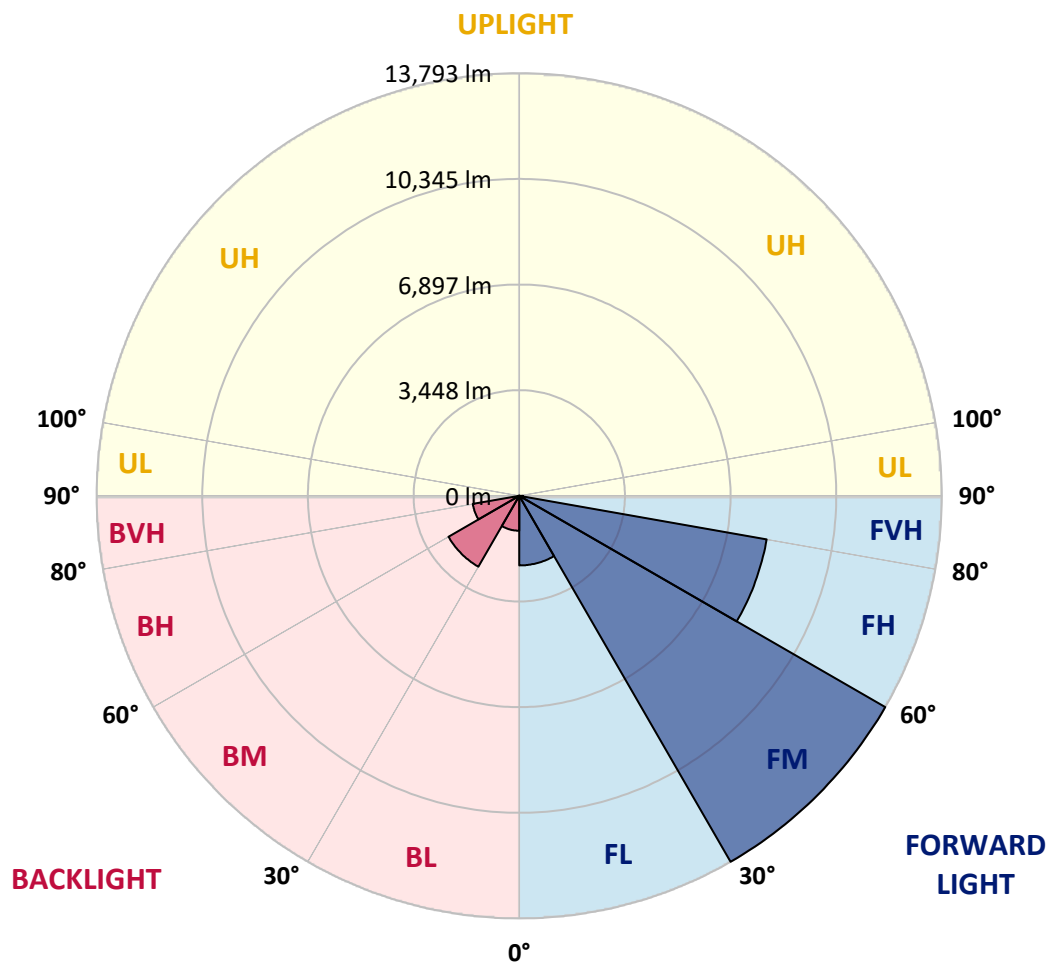
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2272.0  | 7.6       |                         |      |          |
| FM   | (30°-60°)   | 13793.3 | 46.3      |                         |      |          |
| FH   | (60°-80°)   | 8199.2  | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 122.0   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1139.3  | 3.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2669.7  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1539.7  | 5.2       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 45.8    | 0.2       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  | 4933.7  |
| 2.5°  | 5214.6  | 5244.6  | 5227.5  | 5218.9  | 5203.9  | 5182.4  | 5165.3  | 5111.7  | 5055.9  | 5019.5  |
| 5°    | 5319.7  | 5349.7  | 5347.5  | 5356.1  | 5366.8  | 5373.3  | 5369.0  | 5308.9  | 5229.6  | 5167.4  |
| 7.5°  | 5229.6  | 5263.9  | 5291.8  | 5334.7  | 5409.7  | 5489.0  | 5527.6  | 5514.8  | 5433.3  | 5347.5  |
| 10°   | 4974.4  | 5010.9  | 5077.4  | 5178.1  | 5336.8  | 5508.3  | 5652.0  | 5718.5  | 5667.0  | 5572.7  |
| 12.5° | 4507.0  | 4543.5  | 4674.3  | 4893.0  | 5158.8  | 5456.9  | 5731.3  | 5909.3  | 5922.2  | 5827.8  |
| 15°   | 3981.7  | 4018.1  | 4157.5  | 4432.0  | 4837.2  | 5315.4  | 5774.2  | 6110.8  | 6224.5  | 6143.0  |
| 17.5° | 3655.8  | 3687.9  | 3793.0  | 4013.9  | 4436.3  | 5032.3  | 5759.2  | 6325.3  | 6584.7  | 6520.4  |
| 20°   | 3557.2  | 3585.0  | 3634.3  | 3788.7  | 4140.4  | 4738.6  | 5660.6  | 6526.8  | 6972.8  | 6936.3  |
| 22.5° | 3662.2  | 3687.9  | 3703.0  | 3771.6  | 3992.4  | 4545.6  | 5536.2  | 6732.7  | 7423.1  | 7427.4  |
| 25°   | 3904.5  | 3930.2  | 3913.1  | 3956.0  | 4052.5  | 4485.6  | 5489.0  | 6974.9  | 7989.1  | 8036.3  |
| 27.5° | 4303.3  | 4305.5  | 4264.7  | 4262.6  | 4277.6  | 4575.6  | 5538.4  | 7234.4  | 8703.1  | 8791.0  |
| 30°   | 5103.1  | 5070.9  | 4914.4  | 4745.0  | 4667.8  | 4845.8  | 5675.6  | 7541.0  | 9545.8  | 9702.3  |
| 32.5° | 6336.0  | 6288.8  | 6001.5  | 5596.2  | 5188.9  | 5281.1  | 5922.2  | 7890.5  | 10463.5 | 10746.5 |
| 35°   | 7673.9  | 7661.1  | 7360.9  | 6758.4  | 6046.5  | 5900.7  | 6323.1  | 8349.3  | 11464.8 | 11915.1 |
| 37.5° | 8917.5  | 8911.1  | 8739.6  | 8029.9  | 7163.6  | 6764.8  | 6966.4  | 8949.7  | 12536.9 | 13188.7 |
| 40°   | 10053.9 | 10073.2 | 9901.7  | 9267.0  | 8394.4  | 7873.3  | 7841.2  | 9691.6  | 13729.0 | 14576.0 |
| 42.5° | 11036.0 | 11057.4 | 10883.7 | 10414.2 | 9610.1  | 9099.8  | 8915.4  | 10600.7 | 14893.3 | 16066.2 |
| 45°   | 11702.8 | 11835.7 | 11810.0 | 11434.8 | 10858.0 | 10328.4 | 10206.2 | 11741.4 | 16220.5 | 17646.4 |
| 47.5° | 11891.5 | 12013.7 | 12206.7 | 12258.1 | 11906.5 | 11385.5 | 11531.3 | 13115.8 | 17562.8 | 19228.8 |
| 50°   | 11426.2 | 11539.8 | 11940.8 | 12474.7 | 12719.1 | 12558.3 | 12819.9 | 14588.8 | 18937.2 | 20806.9 |
| 52.5° | 10508.5 | 10624.3 | 11130.3 | 11975.1 | 12972.1 | 13478.2 | 14112.8 | 16040.4 | 20268.7 | 22301.4 |
| 55°   | 9181.3  | 9303.5  | 9953.2  | 10909.5 | 12489.7 | 13857.7 | 15191.3 | 17489.9 | 21488.7 | 23645.8 |
| 57.5° | 7375.9  | 7466.0  | 8141.4  | 9479.3  | 11276.1 | 13480.3 | 15986.8 | 19072.3 | 22638.0 | 24966.6 |
| 60°   | 4807.2  | 4886.5  | 5671.3  | 7163.6  | 9264.9  | 12219.5 | 16145.5 | 20836.9 | 24164.6 | 26684.0 |
| 62.5° | 3196.9  | 3250.5  | 3715.8  | 4811.5  | 6524.7  | 9798.8  | 15217.1 | 22245.6 | 26403.1 | 29673.0 |
| 65°   | 2193.5  | 2247.1  | 2712.4  | 3475.7  | 4215.4  | 6481.8  | 12547.6 | 22059.1 | 28431.5 | 32046.6 |
| 67.5° | 1565.2  | 1610.3  | 2004.8  | 2725.2  | 3051.1  | 3765.1  | 8505.9  | 19674.8 | 28139.9 | 32136.6 |
| 70°   | 1121.4  | 1147.1  | 1473.0  | 2122.7  | 2425.0  | 2262.1  | 4730.0  | 15047.7 | 24638.5 | 29675.1 |
| 72.5° | 784.8   | 793.3   | 1022.8  | 1616.7  | 1953.3  | 1651.0  | 2251.4  | 10032.5 | 18634.9 | 23292.0 |
| 75°   | 531.8   | 542.5   | 688.3   | 1185.7  | 1567.4  | 1260.8  | 1192.2  | 5379.7  | 10939.5 | 12892.8 |
| 77.5° | 325.9   | 330.2   | 443.8   | 810.5   | 1172.9  | 960.6   | 767.6   | 2279.2  | 4232.6  | 4155.4  |
| 80°   | 184.4   | 184.4   | 283.0   | 503.9   | 799.8   | 619.7   | 538.2   | 969.2   | 1340.1  | 1177.1  |
| 82.5° | 102.9   | 105.1   | 205.8   | 313.0   | 529.6   | 366.7   | 295.9   | 448.1   | 578.9   | 512.5   |
| 85°   | 42.9    | 47.2    | 126.5   | 147.9   | 253.0   | 182.3   | 120.1   | 188.7   | 214.4   | 190.8   |
| 87.5° | 4.3     | 6.4     | 38.6    | 27.9    | 30.0    | 36.5    | 17.2    | 36.5    | 30.0    | 30.0    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4933.7  | 0°    | 4933.7  | 4933.7  | 4933.7 | 4933.7 | 4933.7 | 4933.7 | 4933.7 | 4933.7 | 4933.7 | 4933.7 |
| 5006.6  | 2.5°  | 4965.9  | 4933.7  | 4852.2 | 4757.9 | 4633.5 | 4573.5 | 4492.0 | 4436.3 | 4389.1 | 4393.4 |
| 5131.0  | 5°    | 5062.4  | 4980.9  | 4798.6 | 4571.3 | 4288.3 | 4086.8 | 3872.3 | 3724.4 | 3604.3 | 3578.6 |
| 5302.5  | 7.5°  | 5195.3  | 5066.6  | 4747.2 | 4337.6 | 3859.5 | 3497.1 | 3173.4 | 2965.4 | 2817.4 | 2770.3 |
| 5510.5  | 10°   | 5366.8  | 5180.3  | 4680.7 | 4043.9 | 3355.6 | 2894.6 | 2547.3 | 2384.3 | 2283.5 | 2249.2 |
| 5754.9  | 12.5° | 5566.2  | 5311.1  | 4592.8 | 3685.8 | 2836.7 | 2392.9 | 2172.0 | 2090.6 | 2058.4 | 2047.7 |
| 6055.1  | 15°   | 5817.1  | 5474.0  | 4459.8 | 3261.3 | 2397.2 | 2086.3 | 1991.9 | 1981.2 | 1985.5 | 1981.2 |
| 6415.3  | 17.5° | 6115.1  | 5652.0  | 4243.3 | 2823.9 | 2101.3 | 1929.7 | 1895.4 | 1904.0 | 1914.7 | 1912.6 |
| 6818.4  | 20°   | 6441.0  | 5827.8  | 3966.7 | 2435.8 | 1899.7 | 1818.2 | 1798.9 | 1807.5 | 1816.1 | 1811.8 |
| 7283.7  | 22.5° | 6812.0  | 6016.5  | 3660.1 | 2133.4 | 1764.6 | 1715.3 | 1693.9 | 1696.0 | 1696.0 | 1687.5 |
| 7873.3  | 25°   | 7255.8  | 6224.5  | 3338.5 | 1919.0 | 1661.7 | 1623.1 | 1597.4 | 1588.8 | 1576.0 | 1550.2 |
| 8589.5  | 27.5° | 7785.4  | 6445.3  | 3029.7 | 1768.9 | 1580.2 | 1543.8 | 1513.8 | 1492.3 | 1460.2 | 1417.3 |
| 9449.3  | 30°   | 8381.5  | 6713.4  | 2768.1 | 1674.6 | 1515.9 | 1479.5 | 1445.2 | 1413.0 | 1365.8 | 1312.2 |
| 10437.8 | 32.5° | 9082.6  | 7000.7  | 2577.3 | 1612.4 | 1458.0 | 1419.4 | 1378.7 | 1340.1 | 1288.6 | 1235.0 |
| 11548.4 | 35°   | 9918.9  | 7348.0  | 2465.8 | 1569.5 | 1413.0 | 1361.5 | 1316.5 | 1273.6 | 1235.0 | 1187.9 |
| 12755.6 | 37.5° | 10825.8 | 7716.8  | 2431.5 | 1548.1 | 1383.0 | 1303.6 | 1252.2 | 1222.2 | 1217.9 | 1190.0 |
| 14061.4 | 40°   | 11818.6 | 8154.2  | 2457.2 | 1535.2 | 1350.8 | 1247.9 | 1192.2 | 1185.7 | 1196.4 | 1147.1 |
| 15457.2 | 42.5° | 12869.2 | 8673.1  | 2500.1 | 1520.2 | 1305.8 | 1192.2 | 1138.5 | 1138.5 | 1130.0 | 1061.4 |
| 16932.4 | 45°   | 14005.6 | 9271.3  | 2543.0 | 1483.8 | 1252.2 | 1136.4 | 1095.7 | 1080.7 | 1044.2 | 977.7  |
| 18416.2 | 47.5° | 15150.6 | 9880.3  | 2575.1 | 1417.3 | 1187.9 | 1089.2 | 1052.8 | 1018.5 | 964.9  | 904.8  |
| 19872.0 | 50°   | 16237.7 | 10427.0 | 2540.8 | 1318.7 | 1115.0 | 1044.2 | 1005.6 | 958.4  | 900.5  | 859.8  |
| 21250.7 | 52.5° | 17209.0 | 10900.9 | 2395.0 | 1202.9 | 1037.8 | 997.0  | 962.7  | 913.4  | 866.2  | 823.4  |
| 22494.3 | 55°   | 18053.8 | 11284.7 | 2137.7 | 1093.5 | 969.2  | 956.3  | 922.0  | 859.8  | 795.5  | 759.0  |
| 23727.2 | 57.5° | 18864.3 | 11576.3 | 1816.1 | 1003.5 | 907.0  | 911.3  | 859.8  | 804.1  | 744.0  | 705.4  |
| 25389.0 | 60°   | 19942.8 | 11966.5 | 1490.2 | 919.8  | 840.5  | 853.4  | 797.6  | 756.9  | 681.8  | 632.5  |
| 28238.5 | 62.5° | 21666.7 | 12573.3 | 1183.6 | 816.9  | 763.3  | 767.6  | 744.0  | 694.7  | 604.7  | 546.8  |
| 30350.5 | 65°   | 23034.7 | 12350.3 | 932.7  | 705.4  | 675.4  | 681.8  | 681.8  | 628.2  | 531.8  | 465.3  |
| 30464.2 | 67.5° | 22880.3 | 10575.0 | 744.0  | 596.1  | 591.8  | 596.1  | 611.1  | 566.1  | 471.7  | 418.1  |
| 28144.2 | 70°   | 21077.1 | 8411.5  | 596.1  | 495.3  | 514.6  | 503.9  | 546.8  | 516.7  | 424.5  | 370.9  |
| 21818.9 | 72.5° | 17198.3 | 6059.4  | 454.6  | 409.5  | 394.5  | 411.7  | 493.2  | 465.3  | 353.8  | 293.7  |
| 11557.0 | 75°   | 10049.7 | 3233.4  | 338.8  | 323.8  | 285.2  | 343.1  | 437.4  | 396.7  | 270.2  | 216.6  |
| 3542.1  | 77.5° | 3272.0  | 1127.8  | 248.7  | 238.0  | 212.3  | 276.6  | 373.1  | 334.5  | 220.8  | 171.5  |
| 1037.8  | 80°   | 877.0   | 340.9   | 169.4  | 156.5  | 137.2  | 205.8  | 295.9  | 265.9  | 158.7  | 111.5  |
| 446.0   | 82.5° | 351.6   | 143.7   | 98.6   | 87.9   | 75.0   | 141.5  | 233.7  | 214.4  | 117.9  | 70.8   |
| 139.4   | 85°   | 113.6   | 47.2    | 36.5   | 27.9   | 34.3   | 87.9   | 139.4  | 145.8  | 83.6   | 36.5   |
| 21.4    | 87.5° | 15.0    | 6.4     | 6.4    | 8.6    | 6.4    | 15.0   | 42.9   | 40.7   | 23.6   | 4.3    |
| 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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| 180°   |
|--------|
| 4933.7 |
| 4350.5 |
| 3520.7 |
| 2723.1 |
| 2223.5 |
| 2041.2 |
| 1979.1 |
| 1908.3 |
| 1809.7 |
| 1683.2 |
| 1545.9 |
| 1413.0 |
| 1307.9 |
| 1237.2 |
| 1183.6 |
| 1187.9 |
| 1149.3 |
| 1061.4 |
| 975.6  |
| 902.7  |
| 853.4  |
| 819.1  |
| 754.7  |
| 701.1  |
| 626.1  |
| 542.5  |
| 458.8  |
| 409.5  |
| 364.5  |
| 287.3  |
| 210.1  |
| 165.1  |
| 109.4  |
| 70.8   |
| 27.9   |
| 0.0    |
| 0.0    |