

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: P953067

Luminaire Tested: **GLAN-SB6D-727-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-727-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 46391 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
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

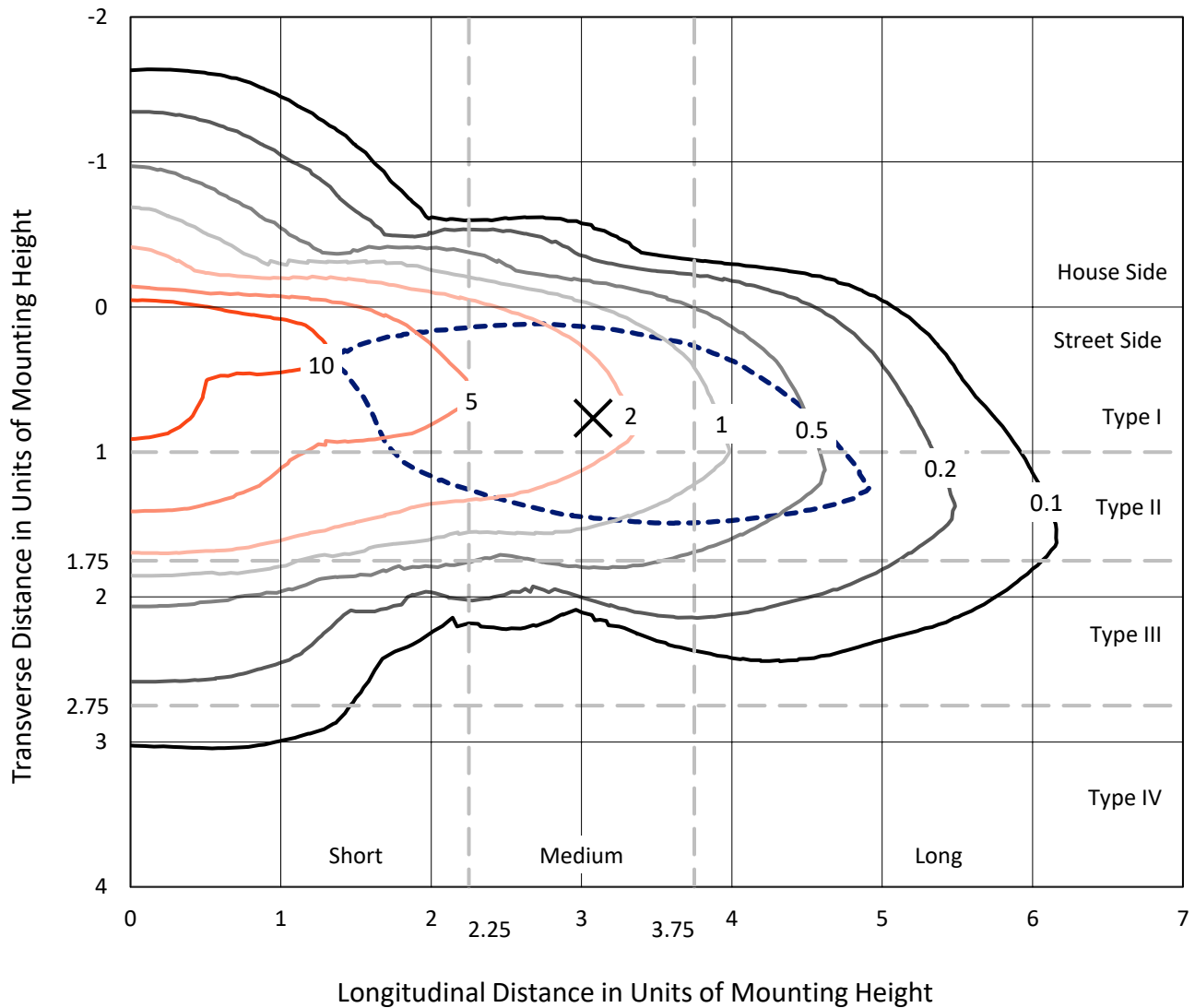


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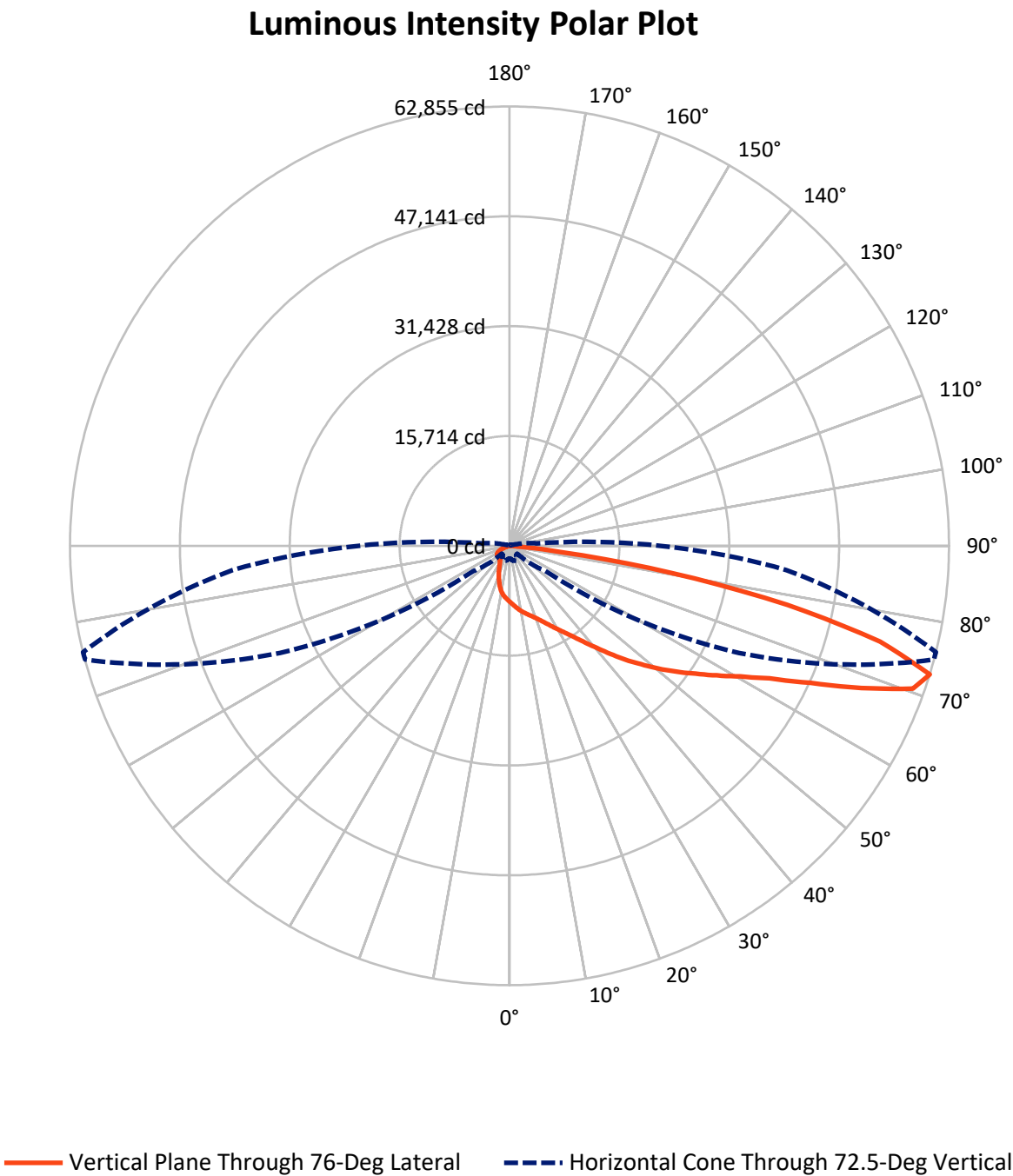
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4748.1   | 0.0    | 4748.1  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 41642.9  | 0.0    | 41642.9 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 46391.0  | 0.0    | 46391.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 729.2   | 1.6       |
| 10°-20°   | 1955.0  | 4.2       |
| 20°-30°   | 3094.2  | 6.7       |
| 30°-40°   | 4787.3  | 10.3      |
| 40°-50°   | 7271.0  | 15.7      |
| 50°-60°   | 10023.8 | 21.6      |
| 60°-70°   | 10589.6 | 22.8      |
| 70°-80°   | 7264.7  | 15.7      |
| 80°-90°   | 676.2   | 1.5       |
| 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°    | 46391.0 | 100.0     |
| 0°-180°   | 46391.0 | 100.0     |

**Coefficient of Utilization**



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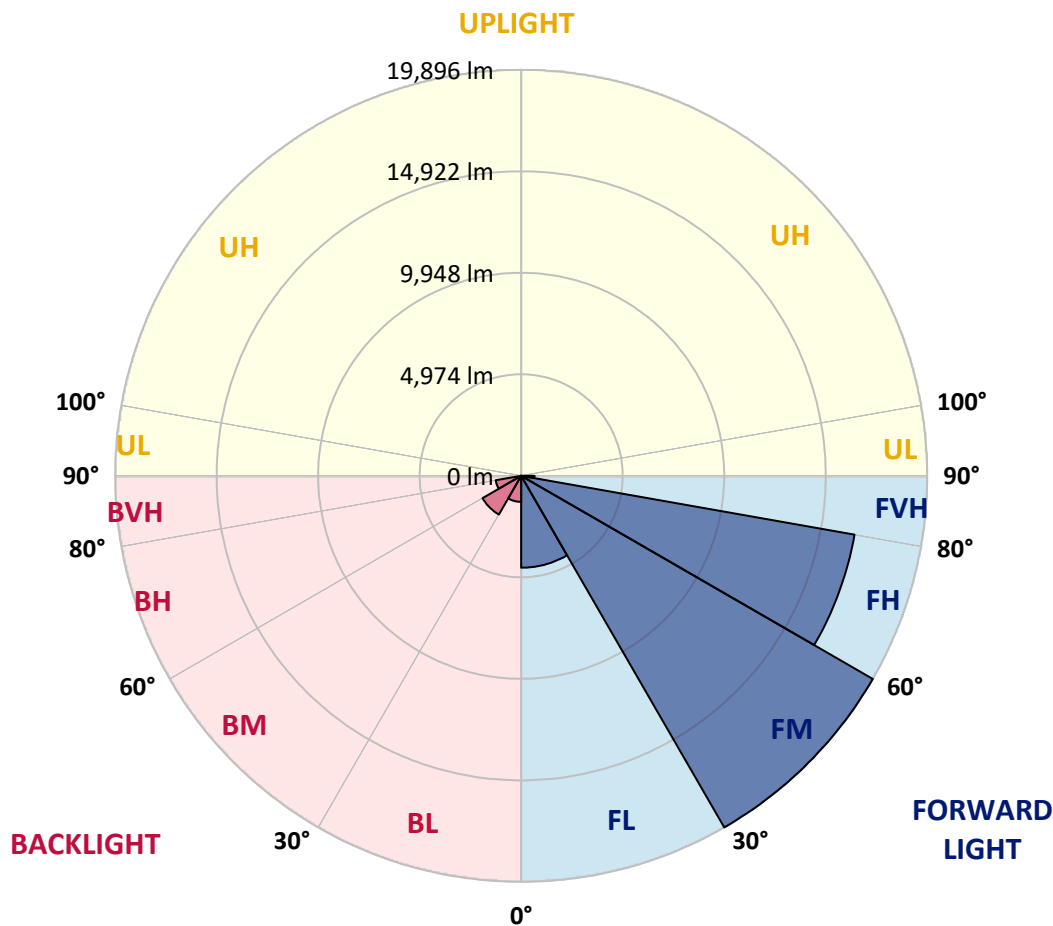
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4502.1  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 19896.1 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 16586.8 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 657.9   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1276.3  | 2.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2186.1  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1267.5  | 2.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 18.3    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  | 8016.8  |
| 2.5°  | 9319.8  | 9196.4  | 9220.5  | 9097.1  | 9039.9  | 8901.5  | 8757.1  | 8567.5  | 8356.8  | 8356.8  |
| 5°    | 10300.8 | 10222.6 | 10222.6 | 10078.1 | 9966.8  | 9750.1  | 9491.3  | 9157.3  | 8760.1  | 8720.9  |
| 7.5°  | 10902.7 | 10854.5 | 10884.6 | 10800.4 | 10710.1 | 10484.4 | 10177.4 | 9741.1  | 9178.4  | 9130.2  |
| 10°   | 11020.0 | 11017.0 | 11101.3 | 11125.4 | 11185.6 | 11071.2 | 10797.4 | 10294.8 | 9590.6  | 9521.4  |
| 12.5° | 10565.6 | 10508.5 | 10716.1 | 10959.9 | 11302.9 | 11456.4 | 11315.0 | 10800.4 | 9966.8  | 9870.5  |
| 15°   | 9819.3  | 9831.4  | 10030.0 | 10406.2 | 10977.9 | 11525.6 | 11709.2 | 11293.9 | 10349.0 | 10234.6 |
| 17.5° | 9392.0  | 9346.9  | 9518.4  | 9855.4  | 10487.4 | 11260.8 | 11892.7 | 11754.3 | 10755.2 | 10625.8 |
| 20°   | 9340.9  | 9337.8  | 9377.0  | 9530.4  | 10011.9 | 10881.6 | 11871.7 | 12202.7 | 11233.7 | 11083.2 |
| 22.5° | 9696.0  | 9689.9  | 9656.8  | 9626.7  | 9759.2  | 10511.5 | 11781.4 | 12630.0 | 11805.5 | 11643.0 |
| 25°   | 10240.6 | 10231.6 | 10180.5 | 9996.9  | 9867.5  | 10312.9 | 11697.1 | 13027.2 | 12482.6 | 12302.0 |
| 27.5° | 10905.7 | 10899.7 | 10806.4 | 10529.5 | 10195.5 | 10330.9 | 11655.0 | 13436.5 | 13265.0 | 13087.4 |
| 30°   | 11721.2 | 11709.2 | 11516.6 | 11125.4 | 10689.0 | 10616.8 | 11712.2 | 13896.9 | 14080.5 | 13945.1 |
| 32.5° | 12744.4 | 12711.3 | 12458.5 | 11868.7 | 11257.8 | 10999.0 | 11820.5 | 14369.4 | 15046.5 | 14920.1 |
| 35°   | 13535.8 | 13484.7 | 13337.2 | 12816.6 | 11916.8 | 11468.4 | 12073.3 | 14929.1 | 16208.1 | 16096.7 |
| 37.5° | 14215.9 | 14164.8 | 14044.4 | 13617.1 | 12861.7 | 12067.3 | 12479.6 | 15675.4 | 17580.3 | 17526.1 |
| 40°   | 14950.2 | 14865.9 | 14808.8 | 14351.3 | 13668.2 | 12931.0 | 13060.4 | 16548.1 | 19160.2 | 19166.2 |
| 42.5° | 15515.9 | 15482.8 | 15488.9 | 15136.8 | 14447.6 | 13954.1 | 13830.7 | 17532.2 | 21053.0 | 21110.2 |
| 45°   | 16000.4 | 15973.4 | 16084.7 | 15837.9 | 15233.1 | 14625.2 | 14733.5 | 18645.6 | 23123.4 | 23240.8 |
| 47.5° | 16373.6 | 16403.7 | 16563.2 | 16403.7 | 16048.6 | 15097.6 | 15534.0 | 19846.3 | 25299.2 | 25314.2 |
| 50°   | 16746.7 | 16758.8 | 17023.6 | 16945.4 | 16800.9 | 15696.5 | 16271.3 | 21188.5 | 27592.2 | 27619.3 |
| 52.5° | 16864.1 | 16846.0 | 17267.3 | 17459.9 | 17466.0 | 16436.8 | 17225.2 | 22651.0 | 29840.2 | 29927.5 |
| 55°   | 16262.2 | 16313.4 | 16993.5 | 17775.9 | 18085.9 | 17459.9 | 18513.2 | 24501.7 | 32235.6 | 32271.7 |
| 57.5° | 13319.2 | 13602.0 | 15106.7 | 16921.3 | 18486.1 | 18925.5 | 20363.9 | 26665.4 | 35001.1 | 34968.0 |
| 60°   | 8083.0  | 8420.0  | 10219.6 | 14191.8 | 17180.1 | 20397.0 | 23090.3 | 30017.7 | 38022.5 | 37929.2 |
| 62.5° | 4520.0  | 4622.3  | 5197.1  | 8495.2  | 13066.4 | 19461.1 | 25753.6 | 34324.0 | 42079.0 | 41763.0 |
| 65°   | 3331.3  | 3364.4  | 3499.8  | 4161.9  | 6421.8  | 14968.2 | 25169.8 | 39473.0 | 47778.6 | 47215.9 |
| 67.5° | 2894.9  | 2928.0  | 3060.5  | 3150.7  | 2867.9  | 7863.3  | 20737.1 | 42328.8 | 55016.0 | 54278.7 |
| 70°   | 2437.5  | 2455.6  | 2669.2  | 2729.4  | 2052.3  | 2991.2  | 13322.2 | 41447.1 | 61714.7 | 61188.0 |
| 72.5° | 1817.6  | 1889.8  | 2199.8  | 2344.2  | 1646.1  | 1588.9  | 6271.4  | 36238.0 | 62849.2 | 62855.2 |
| 75°   | 1233.8  | 1300.0  | 1655.1  | 1929.0  | 1269.9  | 1113.4  | 2530.8  | 27059.6 | 54727.1 | 54727.1 |
| 77.5° | 842.6   | 896.8   | 1152.6  | 1513.7  | 963.0   | 764.4   | 1312.1  | 17174.1 | 39262.3 | 40643.6 |
| 80°   | 373.2   | 406.3   | 743.3   | 1098.4  | 731.3   | 493.5   | 743.3   | 9404.1  | 23743.4 | 23451.5 |
| 82.5° | 183.6   | 210.7   | 475.5   | 686.1   | 472.5   | 303.9   | 391.2   | 4471.8  | 7694.8  | 7312.6  |
| 85°   | 36.1    | 48.1    | 255.8   | 291.9   | 219.7   | 135.4   | 147.5   | 1375.2  | 926.9   | 1059.3  |
| 87.5° | 0.0     | 0.0     | 78.2    | 54.2    | 24.1    | 30.1    | 30.1    | 123.4   | 72.2    | 84.3    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8016.8  | 0°    | 8016.8  | 8016.8 | 8016.8 | 8016.8 | 8016.8 | 8016.8 | 8016.8 | 8016.8 | 8016.8 | 8016.8 |
| 8152.2  | 2.5°  | 8043.9  | 7932.5 | 7688.8 | 7448.0 | 7201.2 | 6975.6 | 6819.1 | 6662.6 | 6566.3 | 6524.2 |
| 8332.7  | 5°    | 8107.0  | 7881.4 | 7369.8 | 6834.1 | 6304.5 | 5786.9 | 5398.7 | 5034.6 | 4920.2 | 4730.6 |
| 8546.4  | 7.5°  | 8206.4  | 7839.2 | 7032.7 | 6129.9 | 5269.3 | 4510.9 | 3963.2 | 3526.9 | 3352.4 | 3183.8 |
| 8730.0  | 10°   | 8272.6  | 7761.0 | 6587.4 | 5380.6 | 4216.0 | 3364.4 | 2840.8 | 2524.8 | 2410.4 | 2308.1 |
| 8901.5  | 12.5° | 8299.6  | 7616.5 | 6075.8 | 4541.0 | 3280.1 | 2563.9 | 2251.0 | 2103.5 | 2064.4 | 2028.3 |
| 9064.0  | 15°   | 8323.7  | 7475.1 | 5504.0 | 3731.5 | 2591.0 | 2145.6 | 2022.2 | 1974.1 | 1947.0 | 1922.9 |
| 9229.5  | 17.5° | 8344.8  | 7294.5 | 4851.0 | 3033.4 | 2187.8 | 1977.1 | 1916.9 | 1865.8 | 1844.7 | 1817.6 |
| 9467.2  | 20°   | 8417.0  | 7120.0 | 4267.2 | 2503.7 | 1968.1 | 1856.7 | 1790.5 | 1736.4 | 1718.3 | 1700.3 |
| 9804.3  | 22.5° | 8552.4  | 6978.6 | 3701.4 | 2145.6 | 1835.7 | 1733.4 | 1649.1 | 1588.9 | 1576.9 | 1564.8 |
| 10213.6 | 25°   | 8714.9  | 6804.0 | 3168.8 | 1913.9 | 1706.3 | 1591.9 | 1498.6 | 1447.5 | 1435.4 | 1438.4 |
| 10686.0 | 27.5° | 8922.6  | 6611.4 | 2711.4 | 1766.5 | 1591.9 | 1459.5 | 1354.2 | 1315.1 | 1321.1 | 1333.1 |
| 11230.7 | 30°   | 9151.3  | 6433.9 | 2353.3 | 1664.1 | 1489.6 | 1342.1 | 1236.8 | 1209.7 | 1230.8 | 1248.9 |
| 11958.9 | 32.5° | 9491.3  | 6277.4 | 2103.5 | 1582.9 | 1399.3 | 1245.8 | 1161.6 | 1128.5 | 1152.6 | 1176.6 |
| 12888.8 | 35°   | 9954.8  | 6199.2 | 1962.1 | 1513.7 | 1321.1 | 1170.6 | 1086.4 | 1062.3 | 1086.4 | 1092.4 |
| 14023.3 | 37.5° | 10523.5 | 6193.1 | 1901.9 | 1456.5 | 1248.9 | 1107.4 | 1014.1 | 1005.1 | 1023.2 | 1026.2 |
| 15386.5 | 40°   | 11257.8 | 6232.3 | 1856.7 | 1414.4 | 1173.6 | 1035.2 | 947.9  | 938.9  | 944.9  | 966.0  |
| 17026.6 | 42.5° | 12187.7 | 6394.8 | 1793.5 | 1360.2 | 1092.4 | 963.0  | 893.8  | 872.7  | 869.7  | 893.8  |
| 18862.3 | 45°   | 13355.3 | 6752.9 | 1709.3 | 1272.9 | 1020.2 | 902.8  | 833.6  | 809.5  | 800.5  | 806.5  |
| 20758.1 | 47.5° | 14628.2 | 7192.2 | 1625.0 | 1191.7 | 969.0  | 854.6  | 785.4  | 755.3  | 740.3  | 740.3  |
| 22530.6 | 50°   | 15862.0 | 7688.8 | 1567.8 | 1107.4 | 932.9  | 809.5  | 734.3  | 704.2  | 680.1  | 674.1  |
| 24354.2 | 52.5° | 17083.8 | 8176.3 | 1522.7 | 1023.2 | 890.8  | 752.3  | 686.1  | 653.0  | 625.9  | 613.9  |
| 26159.8 | 55°   | 18197.2 | 8639.7 | 1444.5 | 941.9  | 836.6  | 692.1  | 638.0  | 604.9  | 571.8  | 550.7  |
| 27989.5 | 57.5° | 19265.5 | 9024.9 | 1300.0 | 857.6  | 752.3  | 635.0  | 586.8  | 550.7  | 511.6  | 484.5  |
| 29840.2 | 60°   | 20237.5 | 9223.5 | 1119.5 | 767.4  | 668.1  | 574.8  | 529.6  | 496.5  | 445.4  | 400.2  |
| 31660.8 | 62.5° | 20977.8 | 9145.3 | 923.9  | 665.1  | 580.8  | 520.6  | 463.4  | 430.3  | 370.1  | 316.0  |
| 33842.6 | 65°   | 21736.2 | 8717.9 | 737.3  | 556.7  | 508.6  | 448.4  | 388.2  | 355.1  | 285.9  | 228.7  |
| 36794.7 | 67.5° | 22720.2 | 7806.1 | 580.8  | 463.4  | 439.4  | 355.1  | 303.9  | 282.9  | 234.7  | 180.6  |
| 39963.5 | 70°   | 23352.1 | 6063.7 | 451.4  | 376.2  | 361.1  | 258.8  | 234.7  | 231.7  | 186.6  | 138.4  |
| 39749.8 | 72.5° | 21618.8 | 3975.3 | 346.1  | 285.9  | 258.8  | 168.5  | 180.6  | 180.6  | 135.4  | 93.3   |
| 34844.7 | 75°   | 18046.8 | 2326.2 | 249.8  | 204.6  | 147.5  | 108.3  | 123.4  | 123.4  | 84.3   | 45.1   |
| 24835.7 | 77.5° | 12888.8 | 1239.8 | 165.5  | 126.4  | 75.2   | 48.1   | 66.2   | 63.2   | 27.1   | 3.0    |
| 9735.1  | 80°   | 4929.2  | 427.3  | 78.2   | 51.2   | 21.1   | 9.0    | 6.0    | 3.0    | 3.0    | 0.0    |
| 1519.7  | 82.5° | 752.3   | 111.3  | 15.0   | 12.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 322.0   | 85°   | 135.4   | 15.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 84.3    | 87.5° | 30.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 8016.8 |
| 6530.2 |
| 4742.7 |
| 3180.8 |
| 2305.1 |
| 2028.3 |
| 1922.9 |
| 1817.6 |
| 1703.3 |
| 1555.8 |
| 1432.4 |
| 1327.1 |
| 1242.8 |
| 1170.6 |
| 1089.4 |
| 1020.2 |
| 963.0  |
| 890.8  |
| 815.5  |
| 740.3  |
| 671.1  |
| 607.9  |
| 541.7  |
| 472.5  |
| 388.2  |
| 294.9  |
| 213.7  |
| 168.5  |
| 123.4  |
| 81.3   |
| 36.1   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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