

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: P942484

Luminaire Tested: **GLAN-SB6C-735-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942484  
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-SB6C-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA 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: 33163 lumens  
Efficiency: N/A  
Efficacy: 110.2 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

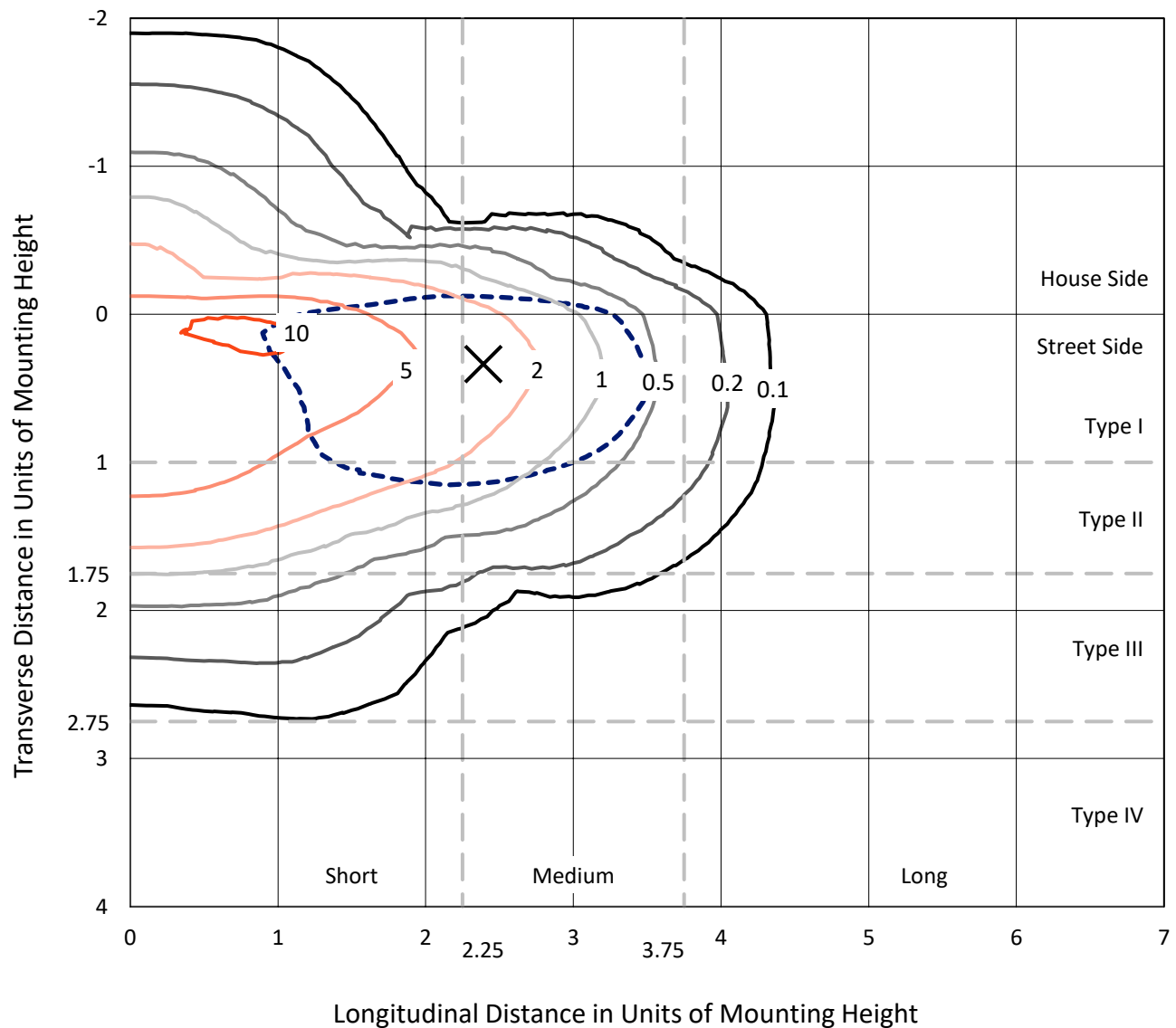


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## Iso-Footcandle Lines of Horizontal Illumination

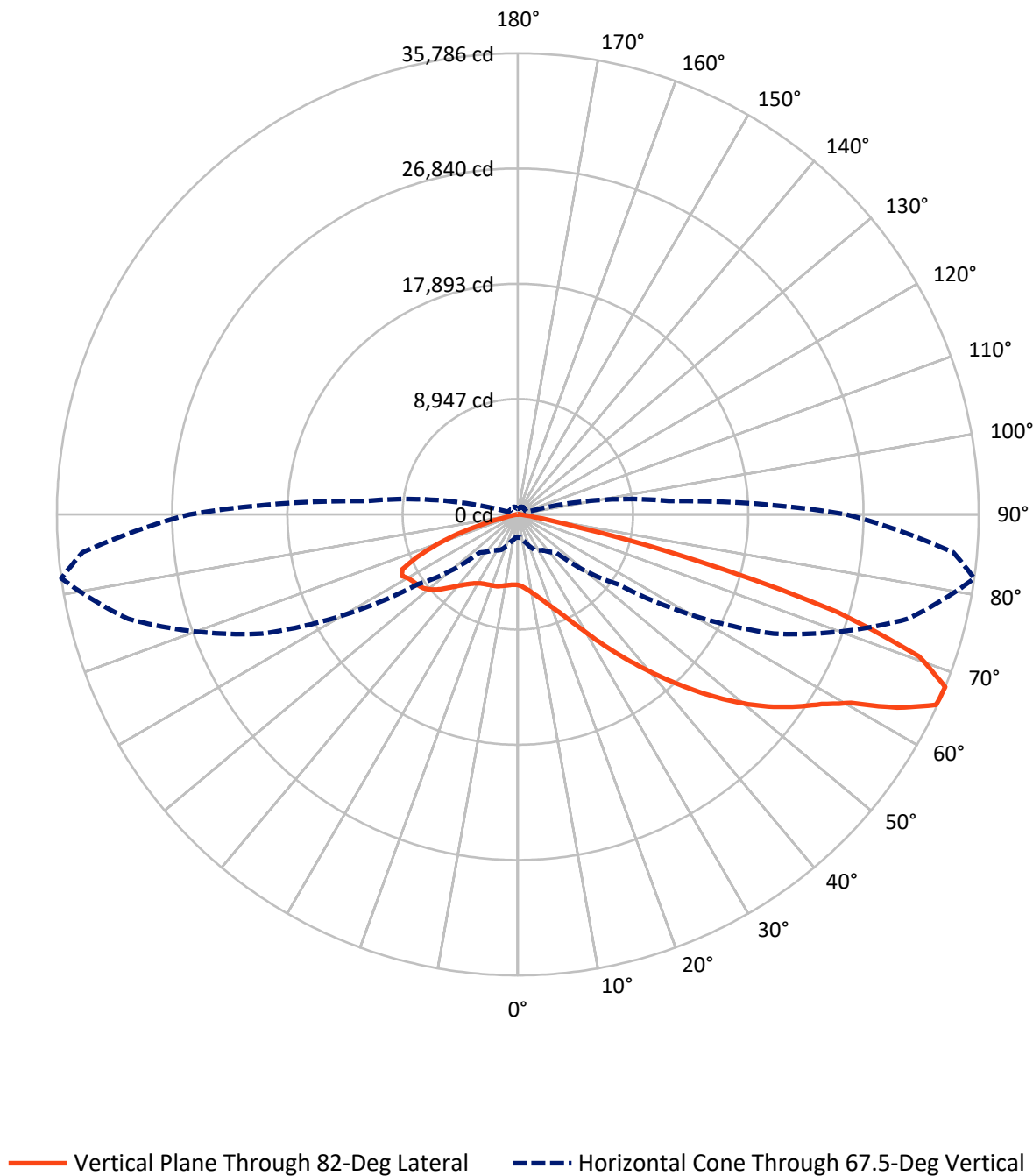
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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    | 6007.2   | 0.0    | 6007.2  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 27155.8  | 0.0    | 27155.8 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 33163.0  | 0.0    | 33163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 489.5   | 1.5       |
| 10°-20°   | 1271.9  | 3.8       |
| 20°-30°   | 2037.2  | 6.1       |
| 30°-40°   | 3602.5  | 10.9      |
| 40°-50°   | 6311.9  | 19.0      |
| 50°-60°   | 8418.3  | 25.4      |
| 60°-70°   | 7837.0  | 23.6      |
| 70°-80°   | 3007.8  | 9.1       |
| 80°-90°   | 186.8   | 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°    | 33163.0 | 100.0     |
| 0°-180°   | 33163.0 | 100.0     |

**Coefficient of Utilization**



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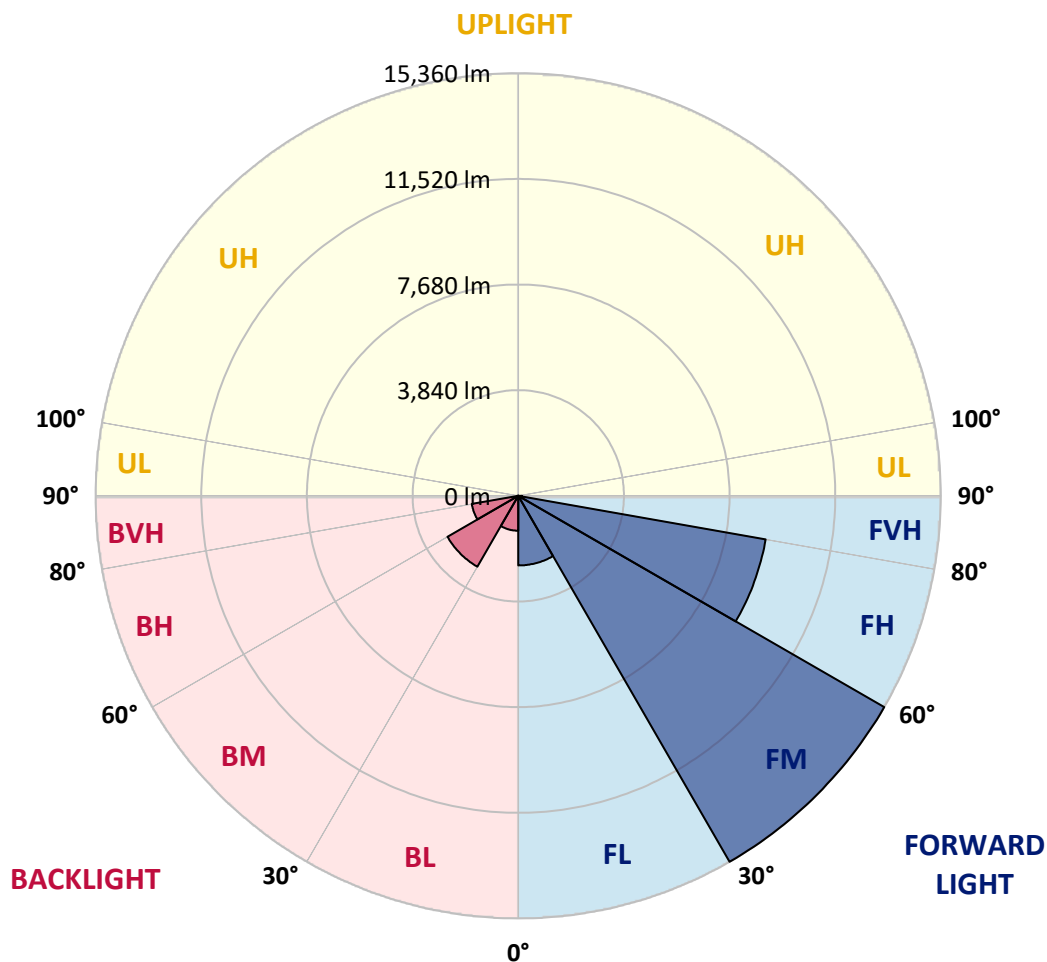
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2530.0  | 7.6       |                         |      |          |
| FM   | (30°-60°)   | 15359.7 | 46.3      |                         |      |          |
| FH   | (60°-80°)   | 9130.3  | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 135.8   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1268.7  | 3.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2972.9  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1714.6  | 5.2       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 51.0    | 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°    | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  | 5494.0  |
| 2.5°  | 5806.8  | 5840.2  | 5821.1  | 5811.5  | 5794.8  | 5771.0  | 5751.9  | 5692.2  | 5630.1  | 5589.5  |
| 5°    | 5923.8  | 5957.2  | 5954.8  | 5964.4  | 5976.3  | 5983.5  | 5978.7  | 5911.8  | 5823.5  | 5754.2  |
| 7.5°  | 5823.5  | 5861.7  | 5892.7  | 5940.5  | 6024.0  | 6112.4  | 6155.4  | 6141.0  | 6050.3  | 5954.8  |
| 10°   | 5539.4  | 5579.9  | 5654.0  | 5766.2  | 5942.9  | 6133.9  | 6293.9  | 6367.9  | 6310.6  | 6205.5  |
| 12.5° | 5018.8  | 5059.4  | 5205.1  | 5448.6  | 5744.7  | 6076.6  | 6382.2  | 6580.4  | 6594.7  | 6489.6  |
| 15°   | 4433.9  | 4474.5  | 4629.7  | 4935.3  | 5386.5  | 5919.0  | 6429.9  | 6804.8  | 6931.4  | 6840.6  |
| 17.5° | 4070.9  | 4106.8  | 4223.8  | 4469.7  | 4940.1  | 5603.8  | 6413.2  | 7043.6  | 7332.5  | 7260.8  |
| 20°   | 3961.1  | 3992.2  | 4047.1  | 4219.0  | 4610.6  | 5276.7  | 6303.4  | 7268.0  | 7764.6  | 7724.1  |
| 22.5° | 4078.1  | 4106.8  | 4123.5  | 4199.9  | 4445.8  | 5061.8  | 6164.9  | 7497.2  | 8266.1  | 8270.8  |
| 25°   | 4347.9  | 4376.6  | 4357.5  | 4405.2  | 4512.7  | 4995.0  | 6112.4  | 7767.0  | 8896.4  | 8948.9  |
| 27.5° | 4792.0  | 4794.4  | 4749.0  | 4746.7  | 4763.4  | 5095.2  | 6167.3  | 8055.9  | 9691.5  | 9789.4  |
| 30°   | 5682.6  | 5646.8  | 5472.5  | 5283.9  | 5197.9  | 5396.1  | 6320.1  | 8397.4  | 10629.8 | 10804.1 |
| 32.5° | 7055.5  | 7003.0  | 6683.0  | 6231.8  | 5778.1  | 5880.8  | 6594.7  | 8786.6  | 11651.7 | 11966.9 |
| 35°   | 8545.4  | 8531.1  | 8196.8  | 7525.9  | 6733.2  | 6570.8  | 7041.2  | 9297.5  | 12766.8 | 13268.2 |
| 37.5° | 9930.2  | 9923.1  | 9732.1  | 8941.8  | 7977.1  | 7533.0  | 7757.5  | 9966.1  | 13960.6 | 14686.4 |
| 40°   | 11195.7 | 11217.2 | 11026.2 | 10319.4 | 9347.7  | 8767.5  | 8731.6  | 10792.2 | 15288.1 | 16231.3 |
| 42.5° | 12289.2 | 12313.1 | 12119.7 | 11596.8 | 10701.5 | 10133.2 | 9927.9  | 11804.6 | 16584.6 | 17890.7 |
| 45°   | 13031.8 | 13179.8 | 13151.2 | 12733.3 | 12091.1 | 11501.3 | 11365.2 | 13074.8 | 18062.6 | 19650.4 |
| 47.5° | 13241.9 | 13378.0 | 13592.9 | 13650.2 | 13258.6 | 12678.4 | 12840.8 | 14605.3 | 19557.3 | 21412.5 |
| 50°   | 12723.8 | 12850.3 | 13296.8 | 13891.4 | 14163.6 | 13984.5 | 14275.8 | 16245.6 | 21087.7 | 23169.8 |
| 52.5° | 11701.9 | 11830.8 | 12394.3 | 13335.0 | 14445.3 | 15008.8 | 15715.5 | 17862.0 | 22570.5 | 24834.0 |
| 55°   | 10223.9 | 10360.0 | 11083.5 | 12148.4 | 13908.1 | 15431.4 | 16916.5 | 19476.1 | 23929.0 | 26331.0 |
| 57.5° | 8213.5  | 8313.8  | 9065.9  | 10555.8 | 12556.7 | 15011.2 | 17802.3 | 21238.2 | 25208.8 | 27801.8 |
| 60°   | 5353.1  | 5441.5  | 6315.3  | 7977.1  | 10317.0 | 13607.2 | 17979.0 | 23203.2 | 26908.8 | 29714.3 |
| 62.5° | 3560.0  | 3619.7  | 4137.8  | 5357.9  | 7265.6  | 10911.6 | 16945.2 | 24771.9 | 29401.5 | 33042.7 |
| 65°   | 2442.6  | 2502.3  | 3020.4  | 3870.4  | 4694.1  | 7217.9  | 13972.5 | 24564.2 | 31660.3 | 35685.8 |
| 67.5° | 1743.0  | 1793.1  | 2232.5  | 3034.7  | 3397.6  | 4192.7  | 9471.8  | 21909.1 | 31335.5 | 35786.1 |
| 70°   | 1248.7  | 1277.4  | 1640.3  | 2363.8  | 2700.4  | 2519.0  | 5267.2  | 16756.5 | 27436.5 | 33045.1 |
| 72.5° | 873.9   | 883.4   | 1138.9  | 1800.3  | 2175.2  | 1838.5  | 2507.0  | 11171.8 | 20751.1 | 25937.1 |
| 75°   | 592.1   | 604.1   | 766.4   | 1320.4  | 1745.4  | 1403.9  | 1327.5  | 5990.6  | 12181.8 | 14357.0 |
| 77.5° | 362.9   | 367.7   | 494.2   | 902.5   | 1306.0  | 1069.7  | 854.8   | 2538.1  | 4713.2  | 4627.3  |
| 80°   | 205.3   | 205.3   | 315.2   | 561.1   | 890.6   | 690.0   | 599.3   | 1079.2  | 1492.3  | 1310.8  |
| 82.5° | 114.6   | 117.0   | 229.2   | 348.6   | 589.7   | 408.3   | 329.5   | 499.0   | 644.7   | 570.6   |
| 85°   | 47.8    | 52.5    | 140.9   | 164.7   | 281.7   | 203.0   | 133.7   | 210.1   | 238.8   | 212.5   |
| 87.5° | 4.8     | 7.2     | 43.0    | 31.0    | 33.4    | 40.6    | 19.1    | 40.6    | 33.4    | 33.4    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5494.0  | 0°    | 5494.0  | 5494.0  | 5494.0 | 5494.0 | 5494.0 | 5494.0 | 5494.0 | 5494.0 | 5494.0 | 5494.0 |
| 5575.2  | 2.5°  | 5529.8  | 5494.0  | 5403.3 | 5298.2 | 5159.7 | 5092.9 | 5002.1 | 4940.1 | 4887.5 | 4892.3 |
| 5713.7  | 5°    | 5637.2  | 5546.5  | 5343.6 | 5090.5 | 4775.3 | 4550.9 | 4312.1 | 4147.4 | 4013.6 | 3985.0 |
| 5904.7  | 7.5°  | 5785.3  | 5642.0  | 5286.3 | 4830.2 | 4297.8 | 3894.3 | 3533.7 | 3302.1 | 3137.4 | 3084.8 |
| 6136.3  | 10°   | 5976.3  | 5768.6  | 5212.2 | 4503.1 | 3736.7 | 3223.3 | 2836.5 | 2655.1 | 2542.8 | 2504.6 |
| 6408.5  | 12.5° | 6198.3  | 5914.2  | 5114.4 | 4104.4 | 3158.9 | 2664.6 | 2418.7 | 2328.0 | 2292.1 | 2280.2 |
| 6742.7  | 15°   | 6477.7  | 6095.7  | 4966.3 | 3631.6 | 2669.4 | 2323.2 | 2218.1 | 2206.2 | 2211.0 | 2206.2 |
| 7143.9  | 17.5° | 6809.6  | 6293.9  | 4725.2 | 3144.5 | 2339.9 | 2148.9 | 2110.7 | 2120.2 | 2132.2 | 2129.8 |
| 7592.7  | 20°   | 7172.5  | 6489.6  | 4417.2 | 2712.4 | 2115.5 | 2024.7 | 2003.2 | 2012.8 | 2022.3 | 2017.6 |
| 8110.9  | 22.5° | 7585.6  | 6699.8  | 4075.7 | 2375.7 | 1965.0 | 1910.1 | 1886.2 | 1888.6 | 1888.6 | 1879.1 |
| 8767.5  | 25°   | 8079.8  | 6931.4  | 3717.6 | 2136.9 | 1850.4 | 1807.5 | 1778.8 | 1769.2 | 1754.9 | 1726.3 |
| 9564.9  | 27.5° | 8669.6  | 7177.3  | 3373.8 | 1969.8 | 1759.7 | 1719.1 | 1685.7 | 1661.8 | 1626.0 | 1578.2 |
| 10522.4 | 30°   | 9333.3  | 7475.7  | 3082.5 | 1864.8 | 1688.1 | 1647.5 | 1609.3 | 1573.5 | 1520.9 | 1461.2 |
| 11623.1 | 32.5° | 10114.1 | 7795.7  | 2870.0 | 1795.5 | 1623.6 | 1580.6 | 1535.3 | 1492.3 | 1435.0 | 1375.3 |
| 12859.9 | 35°   | 11045.3 | 8182.5  | 2745.8 | 1747.8 | 1573.5 | 1516.2 | 1466.0 | 1418.3 | 1375.3 | 1322.8 |
| 14204.1 | 37.5° | 12055.3 | 8593.2  | 2707.6 | 1723.9 | 1540.0 | 1451.7 | 1394.4 | 1361.0 | 1356.2 | 1325.1 |
| 15658.2 | 40°   | 13160.7 | 9080.2  | 2736.2 | 1709.6 | 1504.2 | 1389.6 | 1327.5 | 1320.4 | 1332.3 | 1277.4 |
| 17212.6 | 42.5° | 14330.7 | 9658.1  | 2784.0 | 1692.8 | 1454.1 | 1327.5 | 1267.8 | 1267.8 | 1258.3 | 1181.9 |
| 18855.3 | 45°   | 15596.1 | 10324.2 | 2831.8 | 1652.3 | 1394.4 | 1265.5 | 1220.1 | 1203.4 | 1162.8 | 1088.8 |
| 20507.5 | 47.5° | 16871.1 | 11002.3 | 2867.6 | 1578.2 | 1322.8 | 1212.9 | 1172.3 | 1134.1 | 1074.4 | 1007.6 |
| 22128.8 | 50°   | 18081.7 | 11611.2 | 2829.4 | 1468.4 | 1241.6 | 1162.8 | 1119.8 | 1067.3 | 1002.8 | 957.4  |
| 23664.0 | 52.5° | 19163.3 | 12138.8 | 2667.0 | 1339.5 | 1155.6 | 1110.3 | 1072.1 | 1017.1 | 964.6  | 916.9  |
| 25048.9 | 55°   | 20104.0 | 12566.2 | 2380.5 | 1217.7 | 1079.2 | 1064.9 | 1026.7 | 957.4  | 885.8  | 845.2  |
| 26421.8 | 57.5° | 21006.6 | 12890.9 | 2022.3 | 1117.4 | 1010.0 | 1014.8 | 957.4  | 895.4  | 828.5  | 785.5  |
| 28272.2 | 60°   | 22207.5 | 13325.5 | 1659.4 | 1024.3 | 936.0  | 950.3  | 888.2  | 842.8  | 759.3  | 704.4  |
| 31445.4 | 62.5° | 24127.2 | 14001.2 | 1318.0 | 909.7  | 850.0  | 854.8  | 828.5  | 773.6  | 673.3  | 608.9  |
| 33797.2 | 65°   | 25650.5 | 13752.9 | 1038.6 | 785.5  | 752.1  | 759.3  | 759.3  | 699.6  | 592.1  | 518.1  |
| 33923.8 | 67.5° | 25478.6 | 11775.9 | 828.5  | 663.8  | 659.0  | 663.8  | 680.5  | 630.3  | 525.3  | 465.6  |
| 31340.3 | 70°   | 23470.6 | 9366.8  | 663.8  | 551.5  | 573.0  | 561.1  | 608.9  | 575.4  | 472.8  | 413.1  |
| 24296.7 | 72.5° | 19151.4 | 6747.5  | 506.2  | 456.0  | 439.3  | 458.4  | 549.2  | 518.1  | 394.0  | 327.1  |
| 12869.4 | 75°   | 11190.9 | 3600.6  | 377.2  | 360.5  | 317.6  | 382.0  | 487.1  | 441.7  | 300.8  | 241.2  |
| 3944.4  | 77.5° | 3643.6  | 1255.9  | 277.0  | 265.0  | 236.4  | 308.0  | 415.5  | 372.5  | 245.9  | 191.0  |
| 1155.6  | 80°   | 976.5   | 379.6   | 188.6  | 174.3  | 152.8  | 229.2  | 329.5  | 296.1  | 176.7  | 124.2  |
| 496.6   | 82.5° | 391.6   | 160.0   | 109.8  | 97.9   | 83.6   | 157.6  | 260.3  | 238.8  | 131.3  | 78.8   |
| 155.2   | 85°   | 126.5   | 52.5    | 40.6   | 31.0   | 38.2   | 97.9   | 155.2  | 162.4  | 93.1   | 40.6   |
| 23.9    | 87.5° | 16.7    | 7.2     | 7.2    | 9.6    | 7.2    | 16.7   | 47.8   | 45.4   | 26.3   | 4.8    |
| 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°   |
|--------|
| 5494.0 |
| 4844.5 |
| 3920.5 |
| 3032.3 |
| 2476.0 |
| 2273.0 |
| 2203.8 |
| 2125.0 |
| 2015.2 |
| 1874.3 |
| 1721.5 |
| 1573.5 |
| 1456.5 |
| 1377.7 |
| 1318.0 |
| 1322.8 |
| 1279.8 |
| 1181.9 |
| 1086.4 |
| 1005.2 |
| 950.3  |
| 912.1  |
| 840.5  |
| 780.8  |
| 697.2  |
| 604.1  |
| 511.0  |
| 456.0  |
| 405.9  |
| 319.9  |
| 234.0  |
| 183.8  |
| 121.8  |
| 78.8   |
| 31.0   |
| 0.0    |
| 0.0    |