

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: P955996

Luminaire Tested: **GLAN-SB8D-740-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-740-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66531 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 584.9  
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



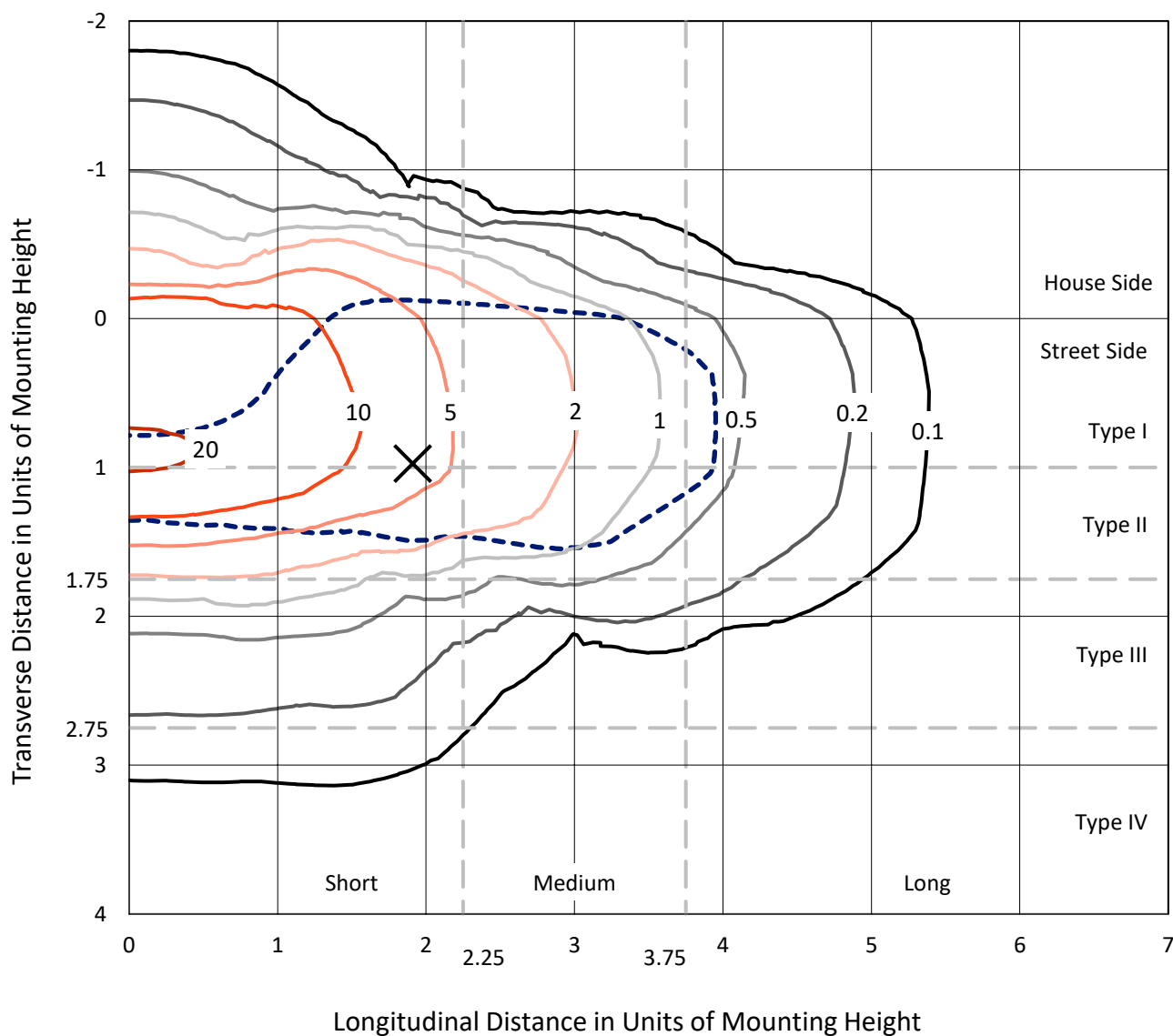
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

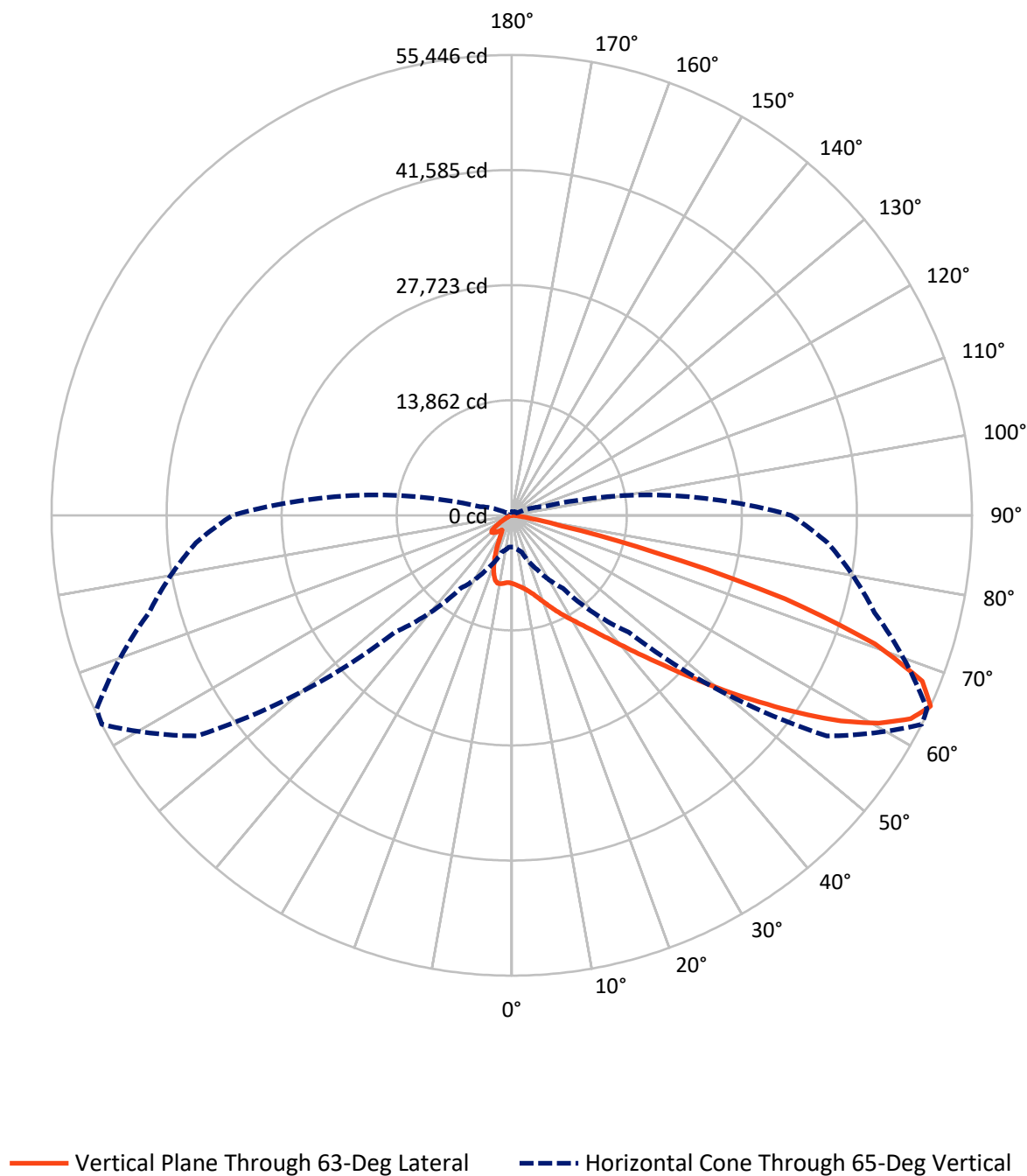


Based on 25 foot mounting height. Maximum calculated value = 22.5 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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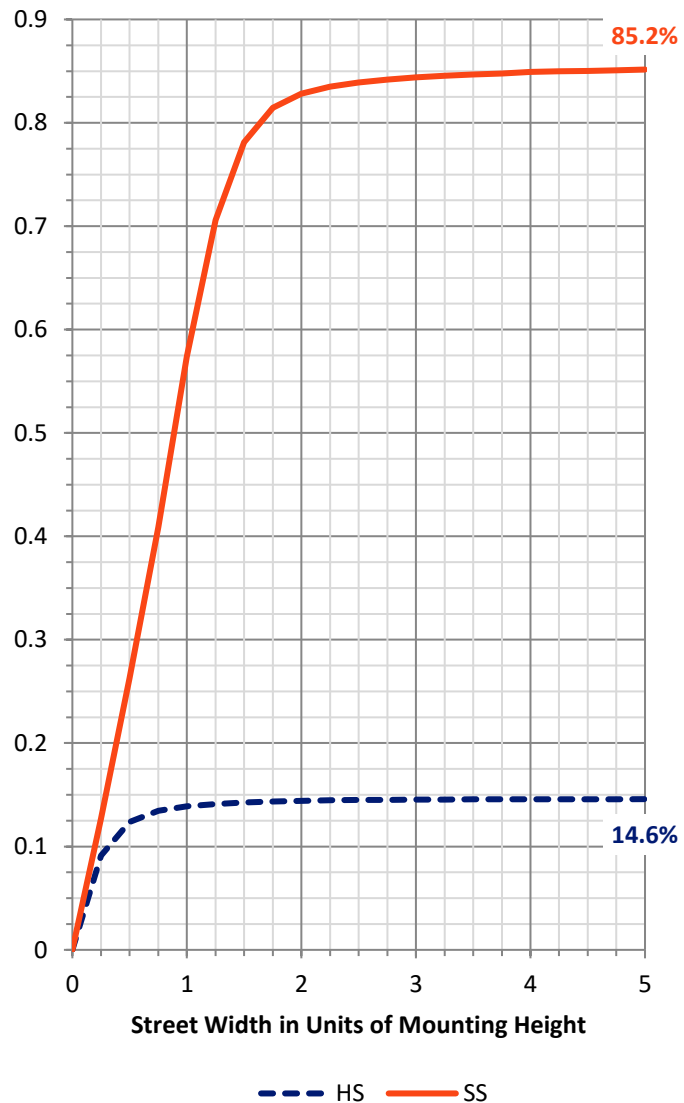
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9779.5   | 0.0    | 9779.5  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 56751.5  | 0.0    | 56751.5 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 66531.0  | 0.0    | 66531.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 773.6   | 1.2       |
| 10°-20°   | 2146.6  | 3.2       |
| 20°-30°   | 3737.8  | 5.6       |
| 30°-40°   | 6736.9  | 10.1      |
| 40°-50°   | 13361.4 | 20.1      |
| 50°-60°   | 18200.5 | 27.4      |
| 60°-70°   | 14527.5 | 21.8      |
| 70°-80°   | 6574.0  | 9.9       |
| 80°-90°   | 472.5   | 0.7       |
| 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°    | 66531.0 | 100.0     |
| 0°-180°   | 66531.0 | 100.0     |

**Coefficient of Utilization**



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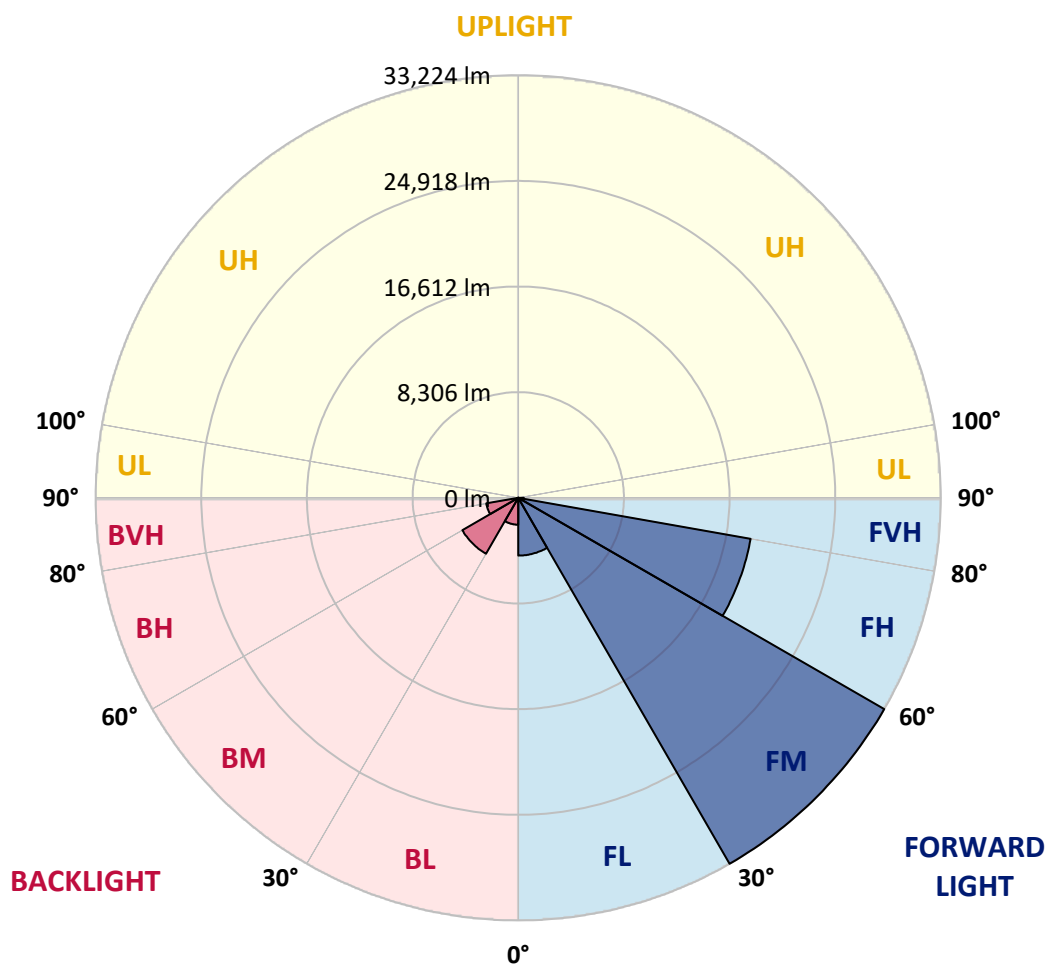
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4541.6  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 33223.9 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 18548.5 | 27.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 437.5   | 0.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2116.5  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5075.0  | 7.6       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2553.0  | 3.8       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 35.1    | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  | 8211.2  |
| 2.5°  | 8403.4  | 8380.5  | 8412.6  | 8398.8  | 8389.7  | 8371.4  | 8362.2  | 8353.1  | 8334.8  | 8321.0  |
| 5°    | 8426.3  | 8412.6  | 8444.6  | 8472.1  | 8499.5  | 8527.0  | 8540.7  | 8559.0  | 8540.7  | 8504.1  |
| 7.5°  | 8234.1  | 8224.9  | 8293.6  | 8376.0  | 8499.5  | 8604.8  | 8719.2  | 8783.3  | 8787.9  | 8774.2  |
| 10°   | 8220.3  | 8197.5  | 8266.1  | 8366.8  | 8527.0  | 8714.7  | 8916.0  | 9053.4  | 9071.7  | 9131.2  |
| 12.5° | 8435.5  | 8412.6  | 8508.7  | 8618.5  | 8783.3  | 8980.1  | 9227.3  | 9419.5  | 9447.0  | 9529.4  |
| 15°   | 8797.0  | 8765.0  | 8874.9  | 9016.7  | 9227.3  | 9451.6  | 9712.4  | 9886.4  | 9909.3  | 10010.0 |
| 17.5° | 9218.1  | 9186.1  | 9314.2  | 9465.3  | 9694.1  | 10000.8 | 10302.9 | 10495.1 | 10522.6 | 10586.7 |
| 20°   | 9758.2  | 9717.0  | 9817.7  | 9955.0  | 10197.6 | 10563.8 | 10925.4 | 11200.0 | 11195.4 | 11195.4 |
| 22.5° | 10385.3 | 10321.2 | 10408.2 | 10518.0 | 10746.9 | 11190.8 | 11671.4 | 11996.4 | 11996.4 | 11868.2 |
| 25°   | 11058.1 | 10994.0 | 11090.1 | 11190.8 | 11392.2 | 11895.7 | 12458.7 | 12861.4 | 12879.7 | 12660.1 |
| 27.5° | 11900.3 | 11817.9 | 11891.1 | 12010.1 | 12129.1 | 12641.7 | 13310.0 | 13776.8 | 13786.0 | 13447.3 |
| 30°   | 13520.5 | 13287.1 | 13058.3 | 12930.1 | 12985.0 | 13493.1 | 14207.1 | 14724.3 | 14770.1 | 14303.2 |
| 32.5° | 16486.4 | 16440.7 | 15635.1 | 14582.4 | 14033.2 | 14408.5 | 15209.5 | 15831.9 | 15859.4 | 15259.8 |
| 35°   | 21095.5 | 21040.6 | 19745.3 | 17740.5 | 15950.9 | 15635.1 | 16426.9 | 17163.8 | 17145.5 | 16468.1 |
| 37.5° | 26597.1 | 26546.7 | 24839.5 | 22157.4 | 19260.1 | 17488.8 | 17996.9 | 18770.4 | 18884.8 | 17996.9 |
| 40°   | 31297.7 | 31110.0 | 30029.9 | 27443.8 | 23654.1 | 20564.6 | 20230.4 | 20743.1 | 20862.1 | 19809.4 |
| 42.5° | 34858.6 | 34698.4 | 34149.2 | 32533.5 | 28972.6 | 25114.1 | 22862.2 | 23059.1 | 23191.8 | 21928.5 |
| 45°   | 36703.2 | 36666.5 | 36886.2 | 36735.2 | 34391.8 | 30698.1 | 26624.6 | 25805.3 | 25855.6 | 24276.5 |
| 47.5° | 36964.1 | 36945.7 | 37948.1 | 39367.0 | 39051.2 | 36996.1 | 31453.3 | 29228.9 | 29050.4 | 26926.6 |
| 50°   | 35426.2 | 35389.6 | 37311.9 | 39971.2 | 42163.6 | 42287.1 | 36936.6 | 33087.3 | 32693.7 | 29668.3 |
| 52.5° | 30515.0 | 30505.9 | 33664.0 | 38090.0 | 43257.5 | 46919.1 | 42355.8 | 37325.6 | 36666.5 | 32570.1 |
| 55°   | 23480.1 | 23649.5 | 27269.9 | 32501.5 | 41261.9 | 49148.1 | 47221.2 | 42030.8 | 41019.3 | 35490.3 |
| 57.5° | 16632.9 | 16880.1 | 20459.3 | 25118.7 | 35073.7 | 47829.9 | 50512.0 | 46745.2 | 45655.8 | 38401.2 |
| 60°   | 8934.4  | 9154.0  | 12737.9 | 18298.9 | 26093.6 | 42914.2 | 52246.7 | 50837.0 | 49807.2 | 41165.8 |
| 62.5° | 5323.1  | 5396.3  | 6879.3  | 11813.3 | 17649.0 | 32785.2 | 51509.8 | 53954.0 | 53107.2 | 43486.3 |
| 65°   | 3821.8  | 3835.5  | 4581.6  | 7213.4  | 10714.8 | 19919.2 | 46342.4 | 55446.1 | 55185.2 | 45234.7 |
| 67.5° | 3217.6  | 3208.5  | 3519.7  | 4792.1  | 7300.4  | 9977.9  | 35517.7 | 53336.1 | 54443.7 | 46342.4 |
| 70°   | 2759.9  | 2773.7  | 3139.8  | 3510.6  | 5487.9  | 5648.0  | 17658.2 | 46438.5 | 48800.2 | 46635.3 |
| 72.5° | 2055.1  | 2100.9  | 2439.6  | 3199.3  | 4142.2  | 3885.9  | 6096.6  | 34433.0 | 38703.3 | 43939.4 |
| 75°   | 1450.9  | 1473.8  | 1716.4  | 2691.3  | 3089.5  | 2828.6  | 3112.4  | 17800.0 | 23274.2 | 33686.9 |
| 77.5° | 1116.8  | 1158.0  | 1299.9  | 1881.2  | 3043.7  | 1986.4  | 1904.0  | 6160.7  | 9465.3  | 20349.5 |
| 80°   | 604.2   | 677.4   | 938.3   | 1359.4  | 2137.5  | 1405.1  | 942.9   | 2453.3  | 3208.5  | 9515.6  |
| 82.5° | 311.2   | 347.9   | 654.5   | 979.5   | 1217.5  | 1226.6  | 466.9   | 1020.7  | 1322.8  | 2938.4  |
| 85°   | 123.6   | 151.0   | 439.4   | 540.1   | 627.1   | 604.2   | 210.5   | 411.9   | 476.0   | 814.7   |
| 87.5° | 27.5    | 45.8    | 160.2   | 123.6   | 119.0   | 128.2   | 50.3    | 96.1    | 91.5    | 96.1    |
| 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):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 8211.2  | 0°    | 8211.2  | 8211.2  | 8211.2  | 8211.2 | 8211.2 | 8211.2 | 8211.2 | 8211.2 | 8211.2 | 8211.2 |
| 8266.1  | 2.5°  | 8261.5  | 8243.2  | 8192.9  | 8138.0 | 8073.9 | 8037.3 | 8014.4 | 8009.8 | 7977.8 | 7954.9 |
| 8449.2  | 5°    | 8398.8  | 8380.5  | 8284.4  | 8170.0 | 8046.4 | 7950.3 | 7858.8 | 7776.4 | 7657.4 | 7634.5 |
| 8714.7  | 7.5°  | 8673.5  | 8623.1  | 8467.5  | 8311.9 | 8078.4 | 7799.3 | 7460.6 | 7071.5 | 6723.6 | 6618.4 |
| 9067.1  | 10°   | 9012.2  | 8943.5  | 8746.7  | 8472.1 | 7954.9 | 7195.1 | 6375.8 | 5616.0 | 5011.8 | 4842.5 |
| 9483.6  | 12.5° | 9396.6  | 9337.1  | 9076.2  | 8568.2 | 7437.7 | 6060.0 | 4805.9 | 3863.0 | 3277.1 | 3130.7 |
| 9927.6  | 15°   | 9854.3  | 9767.4  | 9405.8  | 8421.7 | 6513.1 | 4604.5 | 3300.0 | 2741.6 | 2531.1 | 2503.6 |
| 10435.6 | 17.5° | 10339.5 | 10197.6 | 9698.7  | 7895.4 | 5268.2 | 3272.6 | 2549.4 | 2389.2 | 2297.7 | 2270.2 |
| 10948.2 | 20°   | 10783.5 | 10600.4 | 9872.6  | 7099.0 | 3936.2 | 2549.4 | 2283.9 | 2178.7 | 2096.3 | 2064.2 |
| 11460.9 | 22.5° | 11227.4 | 10966.6 | 9872.6  | 6014.2 | 2952.2 | 2261.1 | 2096.3 | 2000.2 | 1904.0 | 1862.8 |
| 12010.1 | 25°   | 11689.7 | 11341.9 | 9698.7  | 4805.9 | 2375.5 | 2073.4 | 1917.8 | 1812.5 | 1730.1 | 1679.8 |
| 12531.9 | 27.5° | 12138.3 | 11657.7 | 9300.5  | 3661.6 | 2114.6 | 1908.6 | 1753.0 | 1652.3 | 1574.5 | 1537.9 |
| 13099.4 | 30°   | 12563.9 | 11968.9 | 8742.1  | 2778.3 | 1945.2 | 1748.4 | 1602.0 | 1515.0 | 1437.2 | 1400.6 |
| 13836.3 | 32.5° | 13140.6 | 12362.5 | 8147.1  | 2279.4 | 1798.8 | 1597.4 | 1464.6 | 1382.3 | 1313.6 | 1286.1 |
| 14792.9 | 35°   | 13941.6 | 12943.8 | 7634.5  | 2238.2 | 1675.2 | 1473.8 | 1341.1 | 1263.3 | 1194.6 | 1171.7 |
| 16028.7 | 37.5° | 15076.7 | 13882.1 | 7364.4  | 2512.8 | 1574.5 | 1364.0 | 1240.4 | 1158.0 | 1093.9 | 1075.6 |
| 17598.7 | 40°   | 16477.3 | 15154.5 | 7510.9  | 2787.4 | 1505.8 | 1267.8 | 1148.8 | 1066.4 | 1011.5 | 988.6  |
| 19402.0 | 42.5° | 18138.7 | 16724.4 | 8321.0  | 2998.0 | 1460.1 | 1185.4 | 1061.9 | 970.3  | 933.7  | 924.6  |
| 21447.9 | 45°   | 20047.4 | 18450.0 | 9561.4  | 3222.2 | 1386.8 | 1107.6 | 974.9  | 906.3  | 878.8  | 874.2  |
| 23672.4 | 47.5° | 22216.9 | 20344.9 | 10998.6 | 3501.4 | 1313.6 | 1034.4 | 906.3  | 860.5  | 837.6  | 828.4  |
| 25992.9 | 50°   | 24368.1 | 22253.5 | 12477.0 | 3657.0 | 1254.1 | 965.8  | 851.3  | 814.7  | 796.4  | 791.8  |
| 28446.2 | 52.5° | 26620.0 | 24217.0 | 13671.6 | 3510.6 | 1203.8 | 910.8  | 805.6  | 778.1  | 759.8  | 755.2  |
| 30707.3 | 55°   | 28766.6 | 25805.3 | 13877.5 | 2979.6 | 1103.1 | 855.9  | 755.2  | 741.5  | 718.6  | 718.6  |
| 33000.3 | 57.5° | 30615.7 | 26601.7 | 12422.0 | 2187.8 | 1002.4 | 773.5  | 704.9  | 691.1  | 672.8  | 668.2  |
| 35069.2 | 60°   | 32313.8 | 26372.8 | 9588.9  | 1473.8 | 892.5  | 691.1  | 640.8  | 631.6  | 613.3  | 590.4  |
| 36867.9 | 62.5° | 33270.4 | 25365.9 | 6558.9  | 961.2  | 782.7  | 604.2  | 567.6  | 563.0  | 521.8  | 476.0  |
| 38199.8 | 65°   | 33632.0 | 23297.1 | 4091.9  | 700.3  | 654.5  | 517.2  | 489.7  | 480.6  | 421.1  | 370.7  |
| 38955.1 | 67.5° | 33316.2 | 19891.7 | 2064.2  | 553.8  | 517.2  | 430.2  | 402.8  | 402.8  | 361.6  | 315.8  |
| 38909.3 | 70°   | 32052.9 | 14911.9 | 869.6   | 444.0  | 398.2  | 329.5  | 329.5  | 347.9  | 306.7  | 256.3  |
| 36890.8 | 72.5° | 29311.3 | 10032.8 | 462.3   | 338.7  | 297.5  | 233.4  | 270.0  | 283.8  | 242.6  | 192.2  |
| 30194.6 | 75°   | 23301.6 | 6119.5  | 320.4   | 251.7  | 187.7  | 164.8  | 206.0  | 215.1  | 164.8  | 128.2  |
| 20701.9 | 77.5° | 15937.2 | 3515.2  | 215.1   | 160.2  | 119.0  | 96.1   | 141.9  | 132.7  | 87.0   | 59.5   |
| 7982.3  | 80°   | 6998.3  | 1464.6  | 123.6   | 73.2   | 45.8   | 36.6   | 50.3   | 36.6   | 27.5   | 18.3   |
| 1093.9  | 82.5° | 819.3   | 343.3   | 45.8    | 27.5   | 18.3   | 9.2    | 4.6    | 0.0    | 0.0    | 0.0    |
| 334.1   | 85°   | 169.3   | 41.2    | 22.9    | 9.2    | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 59.5    | 87.5° | 32.0    | 9.2     | 4.6     | 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°   |
|--------|
| 8211.2 |
| 7977.8 |
| 7625.3 |
| 6568.0 |
| 4778.4 |
| 3089.5 |
| 2476.2 |
| 2256.5 |
| 2045.9 |
| 1840.0 |
| 1661.5 |
| 1537.9 |
| 1405.1 |
| 1286.1 |
| 1171.7 |
| 1071.0 |
| 984.1  |
| 924.6  |
| 869.6  |
| 828.4  |
| 791.8  |
| 755.2  |
| 714.0  |
| 663.7  |
| 585.9  |
| 466.9  |
| 366.2  |
| 311.2  |
| 251.7  |
| 192.2  |
| 123.6  |
| 64.1   |
| 18.3   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |