

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: P850625

Luminaire Tested: **GLAN-SB8B-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 450mA 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: 26001 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

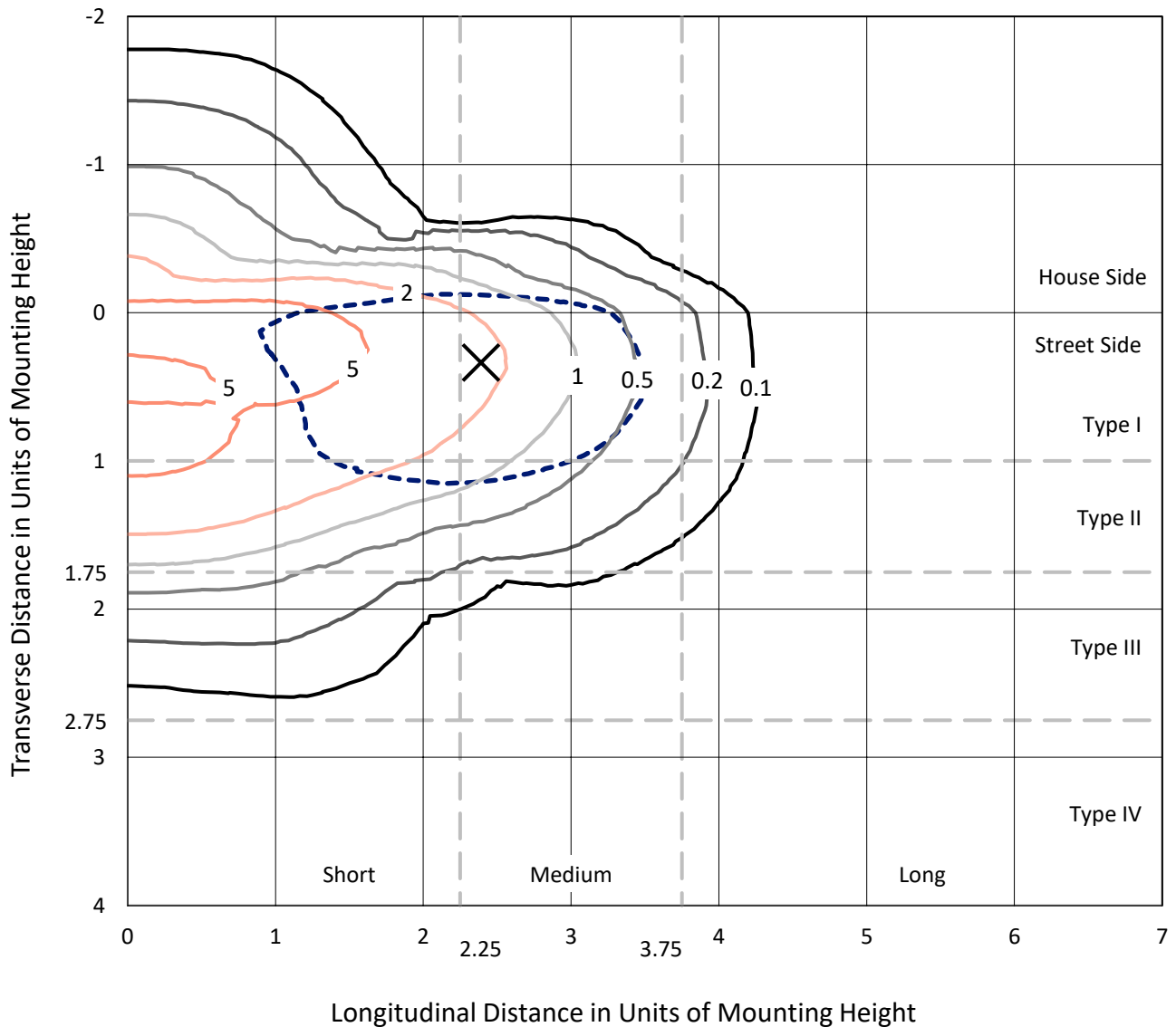
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

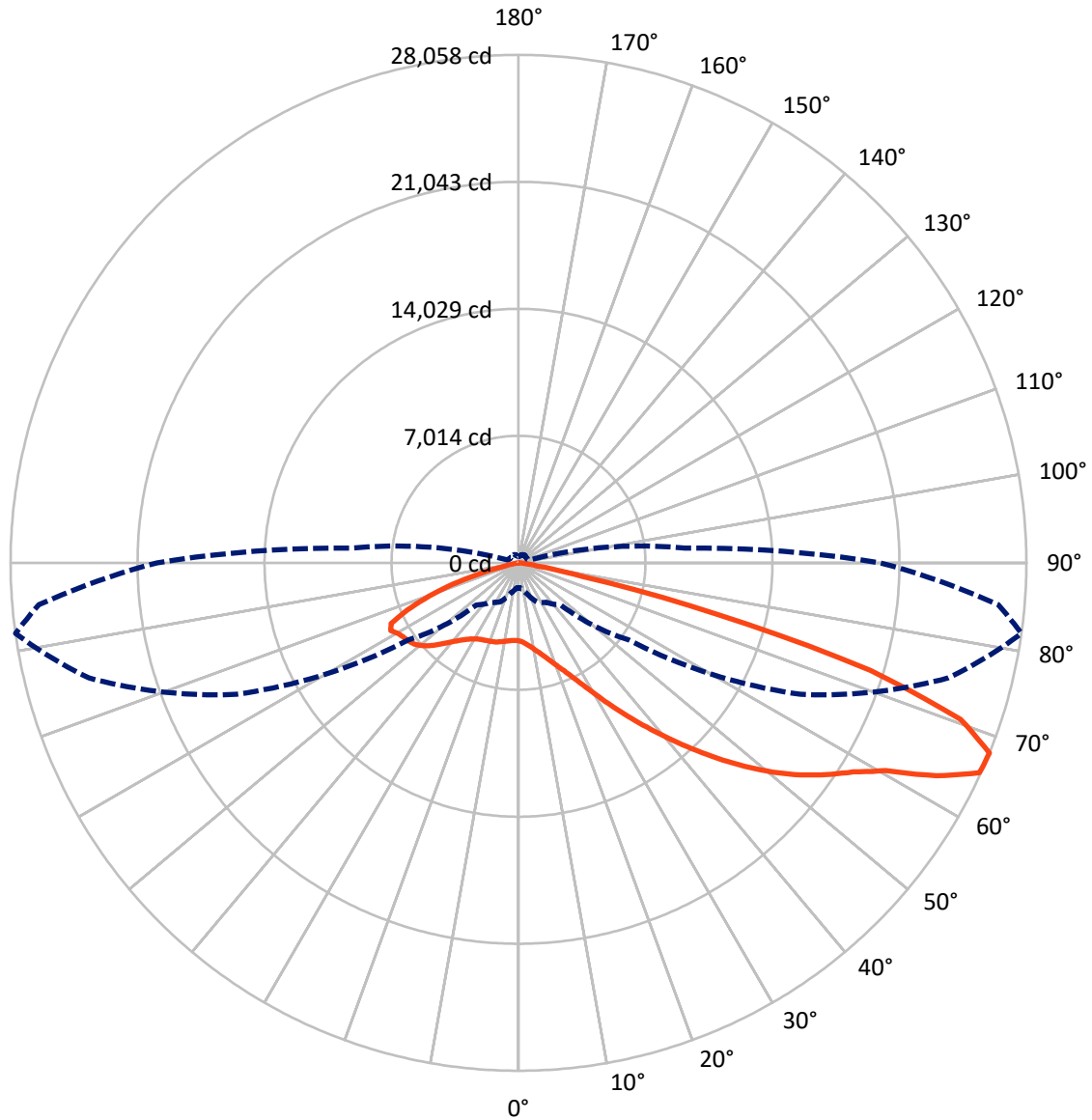
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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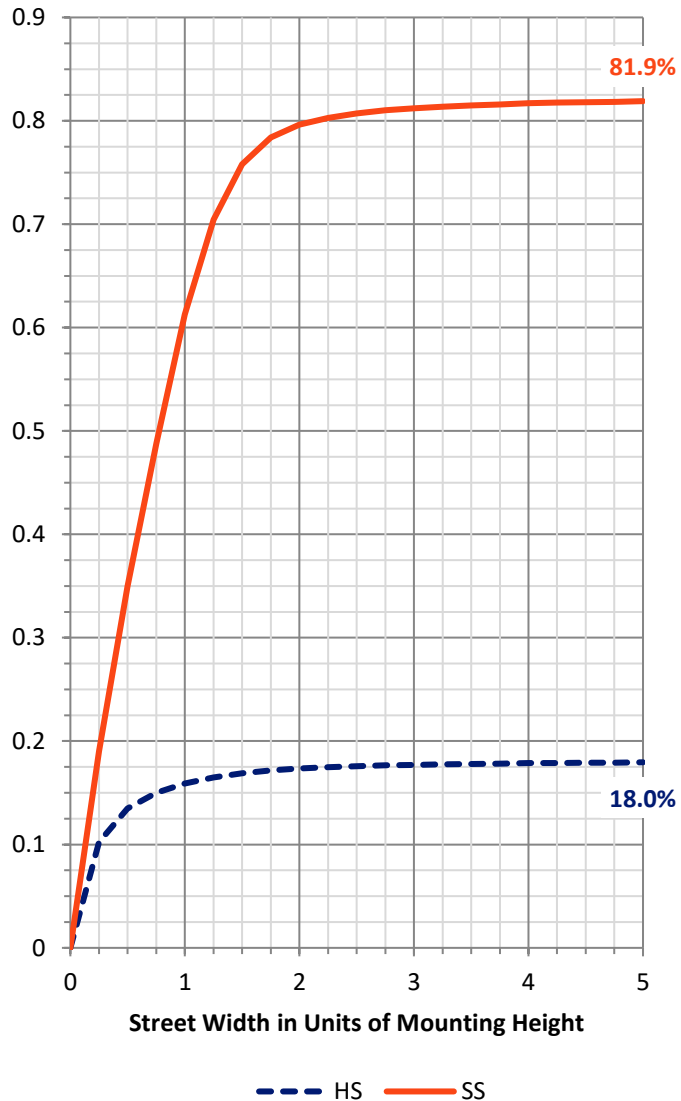
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4709.9   | 0.0    | 4709.9  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 21291.1  | 0.0    | 21291.1 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 26001.0  | 0.0    | 26001.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 383.8   | 1.5       |
| 10°-20°   | 997.3   | 3.8       |
| 20°-30°   | 1597.3  | 6.1       |
| 30°-40°   | 2824.5  | 10.9      |
| 40°-50°   | 4948.8  | 19.0      |
| 50°-60°   | 6600.3  | 25.4      |
| 60°-70°   | 6144.5  | 23.6      |
| 70°-80°   | 2358.3  | 9.1       |
| 80°-90°   | 146.5   | 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°    | 26001.0 | 100.0     |
| 0°-180°   | 26001.0 | 100.0     |

**Coefficient of Utilization**

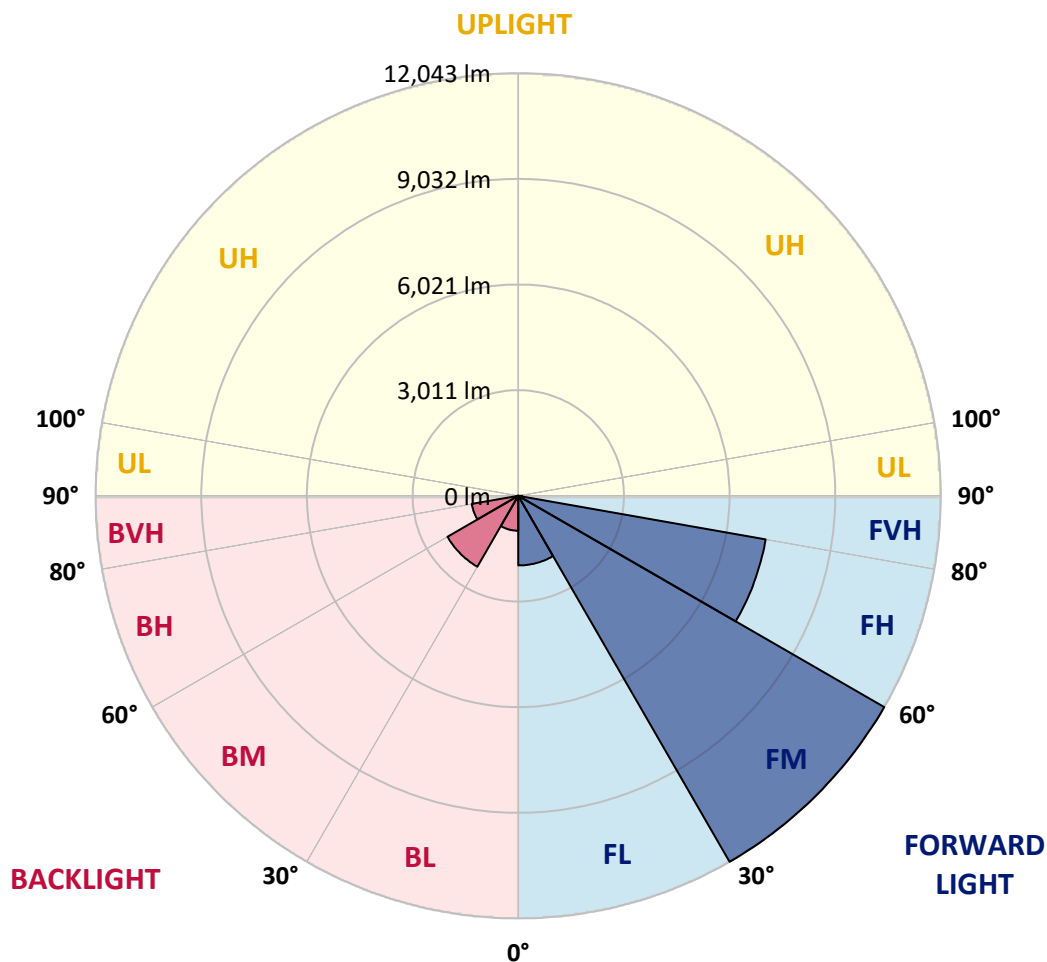


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 1983.6  | 7.6       |                         |      |         |
| FM (30°-60°)   | 12042.6 | 46.3      |                         |      |         |
| FH (60°-80°)   | 7158.5  | 27.5      |                         |      | G3/7500 |
| FVH (80°-90°)  | 106.5   | 0.4       |                         |      | G2/225  |
| BL (0°-30°)    | 994.7   | 3.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 2330.9  | 9.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 1344.3  | 5.2       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 40.0    | 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-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  | 4307.5  |
| 2.5°  | 4552.7  | 4578.9  | 4564.0  | 4556.5  | 4543.4  | 4524.6  | 4509.7  | 4462.9  | 4414.2  | 4382.4  |
| 5°    | 4644.4  | 4670.7  | 4668.8  | 4676.3  | 4685.6  | 4691.2  | 4687.5  | 4635.1  | 4565.8  | 4511.5  |
| 7.5°  | 4565.8  | 4595.8  | 4620.1  | 4657.6  | 4723.1  | 4792.3  | 4826.0  | 4814.8  | 4743.7  | 4668.8  |
| 10°   | 4343.1  | 4374.9  | 4432.9  | 4520.9  | 4659.4  | 4809.2  | 4934.6  | 4992.6  | 4947.7  | 4865.3  |
| 12.5° | 3935.0  | 3966.8  | 4081.0  | 4271.9  | 4504.0  | 4764.3  | 5003.9  | 5159.2  | 5170.5  | 5088.1  |
| 15°   | 3476.3  | 3508.1  | 3629.8  | 3869.4  | 4223.2  | 4640.7  | 5041.3  | 5335.2  | 5434.4  | 5363.3  |
| 17.5° | 3191.8  | 3219.9  | 3311.6  | 3504.4  | 3873.2  | 4393.6  | 5028.2  | 5522.4  | 5748.9  | 5692.8  |
| 20°   | 3105.7  | 3130.0  | 3173.1  | 3307.8  | 3614.8  | 4137.1  | 4942.1  | 5698.4  | 6087.8  | 6055.9  |
| 22.5° | 3197.4  | 3219.9  | 3233.0  | 3292.9  | 3485.7  | 3968.7  | 4833.5  | 5878.1  | 6480.9  | 6484.6  |
| 25°   | 3408.9  | 3431.4  | 3416.4  | 3453.9  | 3538.1  | 3916.2  | 4792.3  | 6089.6  | 6975.1  | 7016.3  |
| 27.5° | 3757.1  | 3759.0  | 3723.4  | 3721.5  | 3734.7  | 3994.9  | 4835.4  | 6316.1  | 7598.5  | 7675.2  |
| 30°   | 4455.4  | 4427.3  | 4290.6  | 4142.7  | 4075.4  | 4230.7  | 4955.2  | 6583.8  | 8334.2  | 8470.8  |
| 32.5° | 5531.8  | 5490.6  | 5239.7  | 4885.9  | 4530.3  | 4610.8  | 5170.5  | 6889.0  | 9135.4  | 9382.5  |
| 35°   | 6699.9  | 6688.7  | 6426.6  | 5900.6  | 5279.1  | 5151.8  | 5520.5  | 7289.6  | 10009.6 | 10402.7 |
| 37.5° | 7785.7  | 7780.1  | 7630.3  | 7010.7  | 6254.4  | 5906.2  | 6082.1  | 7813.8  | 10945.6 | 11514.7 |
| 40°   | 8777.8  | 8794.7  | 8644.9  | 8090.8  | 7328.9  | 6874.0  | 6845.9  | 8461.5  | 11986.5 | 12725.9 |
| 42.5° | 9635.2  | 9653.9  | 9502.3  | 9092.3  | 8390.3  | 7944.8  | 7783.8  | 9255.2  | 13003.0 | 14026.9 |
| 45°   | 10217.4 | 10333.5 | 10311.0 | 9983.4  | 9479.8  | 9017.5  | 8910.7  | 10251.1 | 14161.7 | 15406.6 |
| 47.5° | 10382.1 | 10488.8 | 10657.3 | 10702.3 | 10395.2 | 9940.4  | 10067.6 | 11451.1 | 15333.6 | 16788.1 |
| 50°   | 9975.9  | 10075.1 | 10425.2 | 10891.3 | 11104.7 | 10964.3 | 11192.7 | 12737.1 | 16533.6 | 18165.9 |
| 52.5° | 9174.7  | 9275.8  | 9717.6  | 10455.2 | 11325.6 | 11767.4 | 12321.5 | 14004.5 | 17696.1 | 19470.7 |
| 55°   | 8015.9  | 8122.6  | 8689.9  | 9524.8  | 10904.4 | 12098.8 | 13263.2 | 15270.0 | 18761.2 | 20644.5 |
| 57.5° | 6439.7  | 6518.3  | 7108.0  | 8276.1  | 9844.9  | 11769.3 | 13957.7 | 16651.5 | 19764.6 | 21797.6 |
| 60°   | 4197.0  | 4266.3  | 4951.5  | 6254.4  | 8088.9  | 10668.6 | 14096.2 | 18192.2 | 21097.5 | 23297.1 |
| 62.5° | 2791.2  | 2838.0  | 3244.2  | 4200.8  | 5696.5  | 8555.1  | 13285.6 | 19422.1 | 23051.9 | 25906.7 |
| 65°   | 1915.1  | 1961.9  | 2368.1  | 3034.5  | 3680.4  | 5659.1  | 10955.0 | 19259.2 | 24822.8 | 27979.0 |
| 67.5° | 1366.6  | 1405.9  | 1750.3  | 2379.3  | 2663.9  | 3287.2  | 7426.2  | 17177.5 | 24568.2 | 28057.6 |
| 70°   | 979.1   | 1001.5  | 1286.1  | 1853.3  | 2117.2  | 1975.0  | 4129.6  | 13137.7 | 21511.2 | 25908.6 |
| 72.5° | 685.2   | 692.6   | 892.9   | 1411.5  | 1705.4  | 1441.4  | 1965.6  | 8759.1  | 16269.6 | 20335.6 |
| 75°   | 464.3   | 473.6   | 600.9   | 1035.2  | 1368.4  | 1100.7  | 1040.8  | 4696.9  | 9551.0  | 11256.4 |
| 77.5° | 284.5   | 288.3   | 387.5   | 707.6   | 1024.0  | 838.7   | 670.2   | 1989.9  | 3695.3  | 3627.9  |
| 80°   | 161.0   | 161.0   | 247.1   | 439.9   | 698.3   | 541.0   | 469.9   | 846.1   | 1170.0  | 1027.7  |
| 82.5° | 89.9    | 91.7    | 179.7   | 273.3   | 462.4   | 320.1   | 258.3   | 391.2   | 505.4   | 447.4   |
| 85°   | 37.4    | 41.2    | 110.4   | 129.2   | 220.9   | 159.1   | 104.8   | 164.7   | 187.2   | 166.6   |
| 87.5° | 3.7     | 5.6     | 33.7    | 24.3    | 26.2    | 31.8    | 15.0    | 31.8    | 26.2    | 26.2    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4307.5  | 0°    | 4307.5  | 4307.5  | 4307.5 | 4307.5 | 4307.5 | 4307.5 | 4307.5 | 4307.5 | 4307.5 | 4307.5 |
| 4371.1  | 2.5°  | 4335.6  | 4307.5  | 4236.3 | 4154.0 | 4045.4 | 3993.0 | 3921.9 | 3873.2 | 3832.0 | 3835.7 |
| 4479.7  | 5°    | 4419.8  | 4348.7  | 4189.5 | 3991.1 | 3744.0 | 3568.0 | 3380.8 | 3251.7 | 3146.8 | 3124.4 |
| 4629.5  | 7.5°  | 4535.9  | 4423.6  | 4144.6 | 3787.1 | 3369.6 | 3053.2 | 2770.6 | 2589.0 | 2459.8 | 2418.6 |
| 4811.1  | 10°   | 4685.6  | 4522.8  | 4086.6 | 3530.6 | 2929.7 | 2527.2 | 2223.9 | 2081.7 | 1993.7 | 1963.7 |
| 5024.5  | 12.5° | 4859.7  | 4637.0  | 4009.8 | 3218.0 | 2476.7 | 2089.2 | 1896.3 | 1825.2 | 1797.1 | 1787.8 |
| 5286.5  | 15°   | 5078.8  | 4779.2  | 3893.8 | 2847.3 | 2092.9 | 1821.5 | 1739.1 | 1729.7 | 1733.5 | 1729.7 |
| 5601.0  | 17.5° | 5339.0  | 4934.6  | 3704.7 | 2465.4 | 1834.6 | 1684.8 | 1654.9 | 1662.3 | 1671.7 | 1669.8 |
| 5953.0  | 20°   | 5623.5  | 5088.1  | 3463.2 | 2126.6 | 1658.6 | 1587.5 | 1570.6 | 1578.1 | 1585.6 | 1581.8 |
| 6359.2  | 22.5° | 5947.4  | 5252.8  | 3195.5 | 1862.6 | 1540.7 | 1497.6 | 1478.9 | 1480.8 | 1480.8 | 1473.3 |
| 6874.0  | 25°   | 6334.9  | 5434.4  | 2914.7 | 1675.4 | 1450.8 | 1417.1 | 1394.6 | 1387.2 | 1375.9 | 1353.5 |
| 7499.3  | 27.5° | 6797.3  | 5627.3  | 2645.1 | 1544.4 | 1379.7 | 1347.8 | 1321.6 | 1302.9 | 1274.8 | 1237.4 |
| 8249.9  | 30°   | 7317.7  | 5861.3  | 2416.8 | 1462.0 | 1323.5 | 1291.7 | 1261.7 | 1233.7 | 1192.5 | 1145.7 |
| 9112.9  | 32.5° | 7929.8  | 6112.1  | 2250.2 | 1407.7 | 1273.0 | 1239.3 | 1203.7 | 1170.0 | 1125.1 | 1078.3 |
| 10082.6 | 35°   | 8659.9  | 6415.4  | 2152.8 | 1370.3 | 1233.7 | 1188.7 | 1149.4 | 1112.0 | 1078.3 | 1037.1 |
| 11136.6 | 37.5° | 9451.8  | 6737.3  | 2122.9 | 1351.6 | 1207.4 | 1138.2 | 1093.3 | 1067.0 | 1063.3 | 1039.0 |
| 12276.6 | 40°   | 10318.5 | 7119.2  | 2145.3 | 1340.4 | 1179.4 | 1089.5 | 1040.8 | 1035.2 | 1044.6 | 1001.5 |
| 13495.3 | 42.5° | 11235.8 | 7572.3  | 2182.8 | 1327.3 | 1140.1 | 1040.8 | 994.0  | 994.0  | 986.5  | 926.6  |
| 14783.2 | 45°   | 12227.9 | 8094.6  | 2220.2 | 1295.4 | 1093.3 | 992.2  | 956.6  | 943.5  | 911.7  | 853.6  |
| 16078.7 | 47.5° | 13227.6 | 8626.2  | 2248.3 | 1237.4 | 1037.1 | 951.0  | 919.2  | 889.2  | 842.4  | 790.0  |
| 17349.8 | 50°   | 14176.7 | 9103.6  | 2218.3 | 1151.3 | 973.4  | 911.7  | 878.0  | 836.8  | 786.2  | 750.7  |
| 18553.5 | 52.5° | 15024.7 | 9517.3  | 2091.0 | 1050.2 | 906.1  | 870.5  | 840.5  | 797.5  | 756.3  | 718.9  |
| 19639.2 | 55°   | 15762.3 | 9852.4  | 1866.4 | 954.7  | 846.1  | 834.9  | 805.0  | 750.7  | 694.5  | 662.7  |
| 20715.6 | 57.5° | 16469.9 | 10107.0 | 1585.6 | 876.1  | 791.9  | 795.6  | 750.7  | 702.0  | 649.6  | 615.9  |
| 22166.4 | 60°   | 17411.5 | 10447.7 | 1301.0 | 803.1  | 733.8  | 745.1  | 696.4  | 660.8  | 595.3  | 552.2  |
| 24654.3 | 62.5° | 18916.6 | 10977.4 | 1033.3 | 713.2  | 666.4  | 670.2  | 649.6  | 606.5  | 527.9  | 477.4  |
| 26498.2 | 65°   | 20111.0 | 10782.8 | 814.3  | 615.9  | 589.7  | 595.3  | 595.3  | 548.5  | 464.3  | 406.2  |
| 26597.5 | 67.5° | 19976.2 | 9232.7  | 649.6  | 520.4  | 516.7  | 520.4  | 533.5  | 494.2  | 411.8  | 365.0  |
| 24572.0 | 70°   | 18401.8 | 7343.9  | 520.4  | 432.4  | 449.3  | 439.9  | 477.4  | 451.2  | 370.7  | 323.9  |
| 19049.5 | 72.5° | 15015.4 | 5290.3  | 396.9  | 357.6  | 344.4  | 359.4  | 430.6  | 406.2  | 308.9  | 256.5  |
| 10090.1 | 75°   | 8774.1  | 2823.0  | 295.8  | 282.7  | 249.0  | 299.5  | 381.9  | 346.3  | 235.9  | 189.1  |
| 3092.6  | 77.5° | 2856.7  | 984.7   | 217.2  | 207.8  | 185.3  | 241.5  | 325.7  | 292.0  | 192.8  | 149.8  |
| 906.1   | 80°   | 765.7   | 297.6   | 147.9  | 136.7  | 119.8  | 179.7  | 258.3  | 232.1  | 138.5  | 97.3   |
| 389.4   | 82.5° | 307.0   | 125.4   | 86.1   | 76.8   | 65.5   | 123.6  | 204.0  | 187.2  | 103.0  | 61.8   |
| 121.7   | 85°   | 99.2    | 41.2    | 31.8   | 24.3   | 30.0   | 76.8   | 121.7  | 127.3  | 73.0   | 31.8   |
| 18.7    | 87.5° | 13.1    | 5.6     | 5.6    | 7.5    | 5.6    | 13.1   | 37.4   | 35.6   | 20.6   | 3.7    |
| 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°   |
|--------|
| 4307.5 |
| 3798.3 |
| 3073.8 |
| 2377.4 |
| 1941.3 |
| 1782.1 |
| 1727.9 |
| 1666.1 |
| 1580.0 |
| 1469.5 |
| 1349.7 |
| 1233.7 |
| 1141.9 |
| 1080.1 |
| 1033.3 |
| 1037.1 |
| 1003.4 |
| 926.6  |
| 851.8  |
| 788.1  |
| 745.1  |
| 715.1  |
| 658.9  |
| 612.1  |
| 546.6  |
| 473.6  |
| 400.6  |
| 357.6  |
| 318.2  |
| 250.8  |
| 183.5  |
| 144.1  |
| 95.5   |
| 61.8   |
| 24.3   |
| 0.0    |
| 0.0    |

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