

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: P955474

Luminaire Tested: **GLAN-SB8B-930-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-930-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32518 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

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

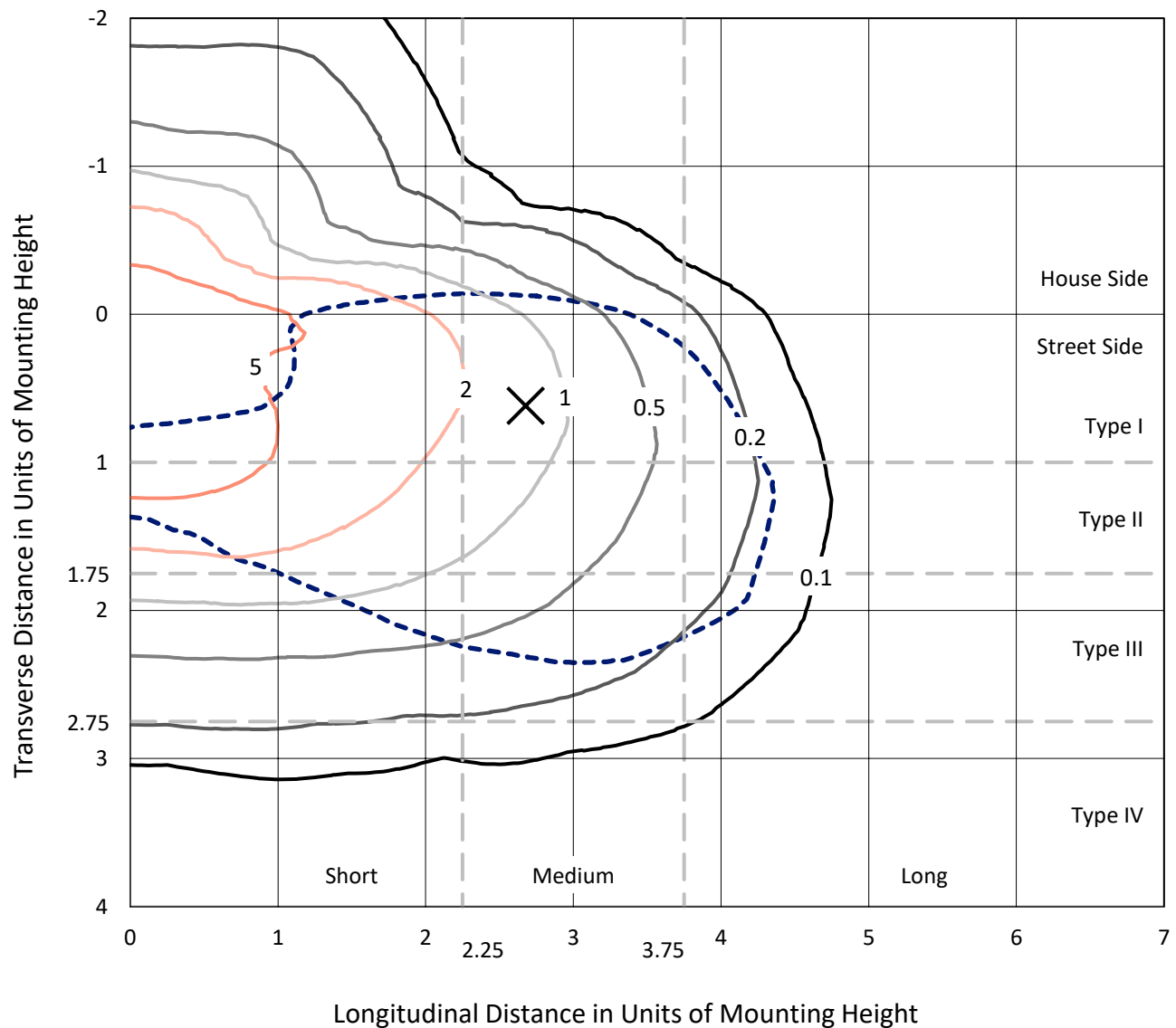


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## Iso-Footcandle Lines of Horizontal Illumination

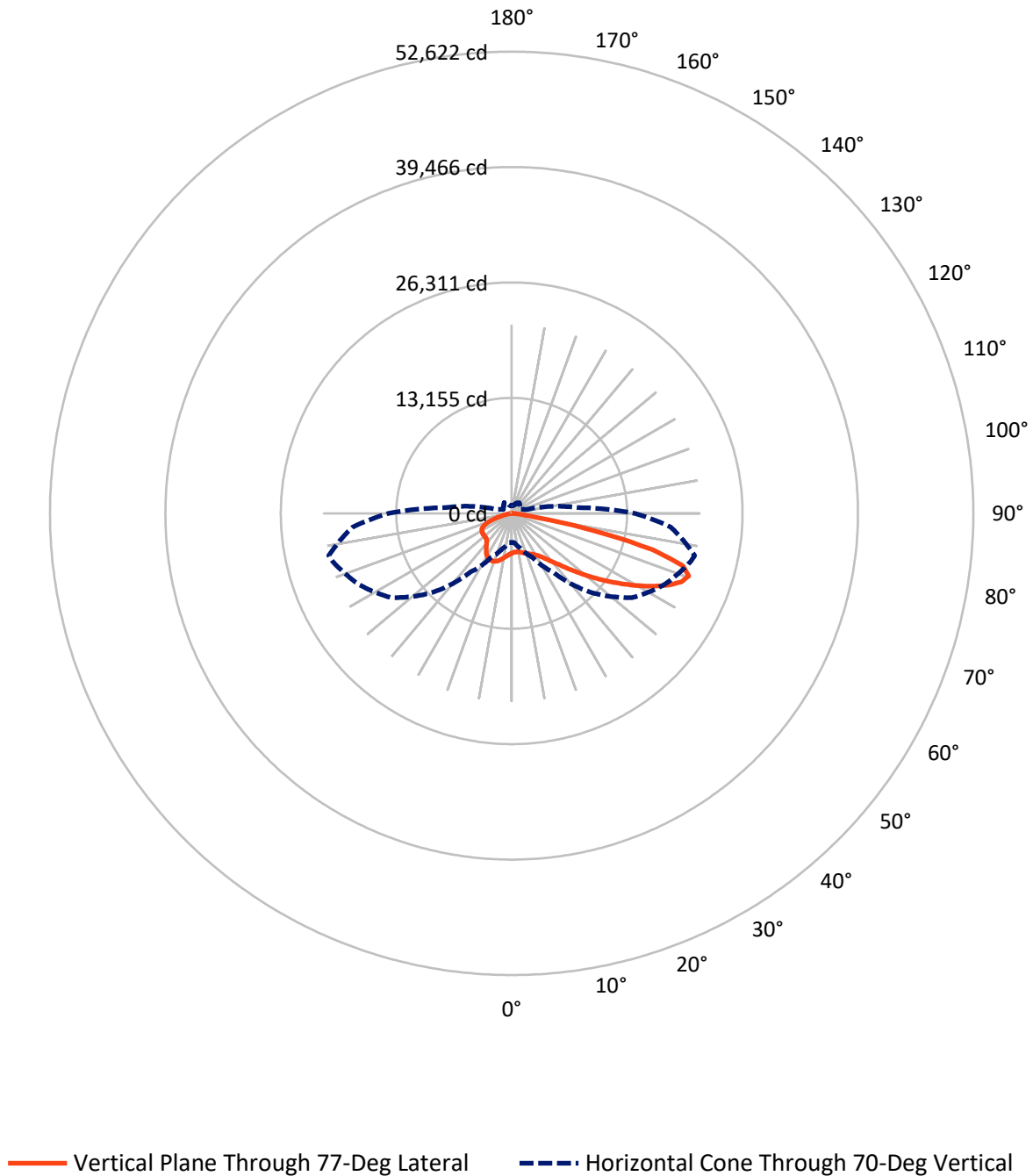
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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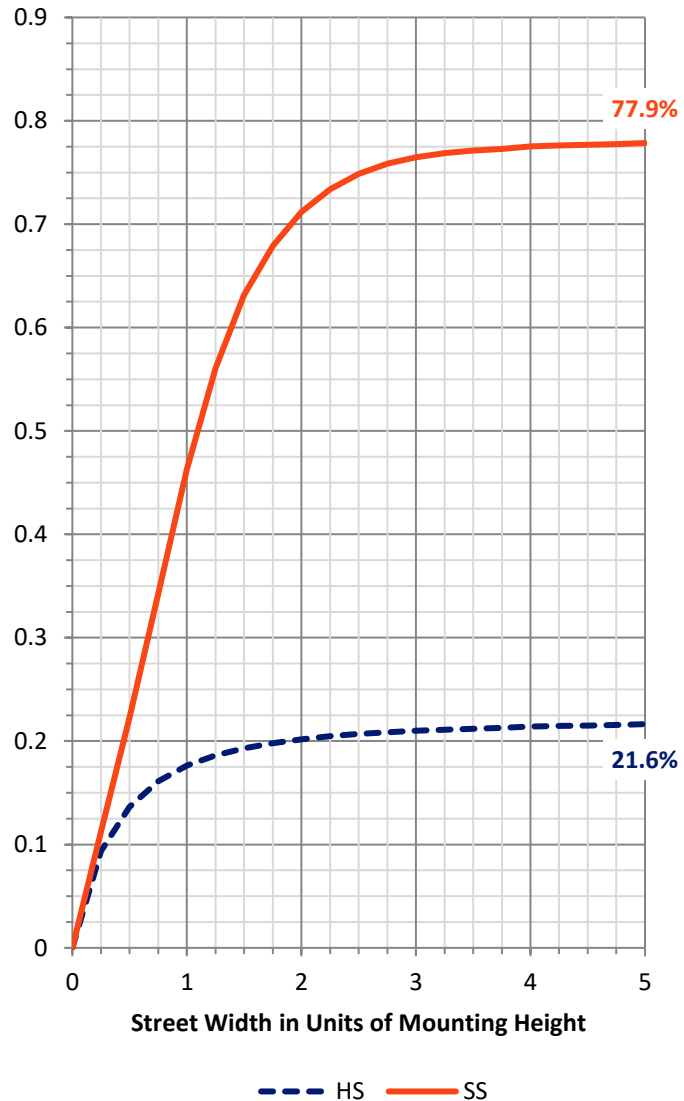
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7120.9   | 0.0    | 7120.9  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 25397.1  | 0.0    | 25397.1 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 32518.0  | 0.0    | 32518.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 432.7   | 1.3       |
| 10°-20°   | 1248.7  | 3.8       |
| 20°-30°   | 2135.5  | 6.6       |
| 30°-40°   | 3434.1  | 10.6      |
| 40°-50°   | 5361.5  | 16.5      |
| 50°-60°   | 7161.7  | 22.0      |
| 60°-70°   | 7633.2  | 23.5      |
| 70°-80°   | 4699.0  | 14.5      |
| 80°-90°   | 411.8   | 1.3       |
| 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°    | 32518.0 | 100.0     |
| 0°-180°   | 32518.0 | 100.0     |

**Coefficient of Utilization**



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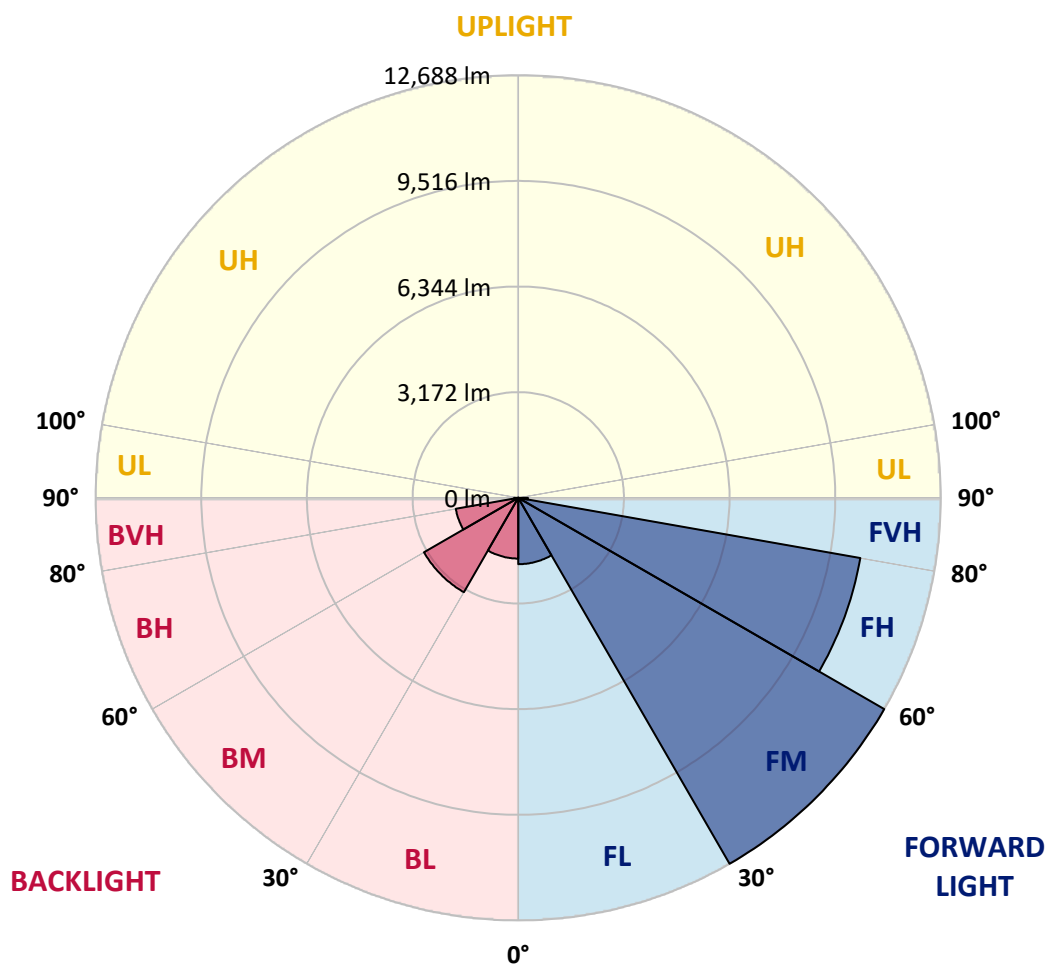
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1992.3  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 12687.8 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 10429.1 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 287.9   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1824.6  | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3269.4  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1903.1  | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 123.8   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  | 4536.6  |
| 2.5°  | 4181.8  | 4180.2  | 4201.8  | 4208.5  | 4248.4  | 4276.8  | 4330.0  | 4386.7  | 4459.9  | 4468.3  |
| 5°    | 3940.3  | 3940.3  | 3965.3  | 3992.0  | 4043.6  | 4100.2  | 4181.8  | 4280.1  | 4406.7  | 4426.6  |
| 7.5°  | 3735.5  | 3748.8  | 3770.5  | 3822.1  | 3882.1  | 3963.7  | 4088.6  | 4228.5  | 4395.0  | 4426.6  |
| 10°   | 3570.6  | 3585.6  | 3612.3  | 3653.9  | 3743.8  | 3857.1  | 4020.3  | 4200.1  | 4423.3  | 4473.3  |
| 12.5° | 3519.0  | 3534.0  | 3549.0  | 3580.6  | 3663.9  | 3797.1  | 3992.0  | 4213.5  | 4491.6  | 4541.6  |
| 15°   | 3638.9  | 3657.2  | 3645.6  | 3637.2  | 3680.5  | 3802.1  | 4005.3  | 4261.8  | 4576.5  | 4648.1  |
| 17.5° | 3915.4  | 3922.0  | 3895.4  | 3817.1  | 3810.4  | 3875.4  | 4068.6  | 4328.4  | 4683.1  | 4761.4  |
| 20°   | 4361.7  | 4350.0  | 4295.1  | 4140.2  | 4051.9  | 4038.6  | 4176.8  | 4428.3  | 4793.0  | 4876.3  |
| 22.5° | 4967.9  | 4954.6  | 4844.7  | 4599.8  | 4403.3  | 4273.4  | 4333.4  | 4558.2  | 4916.3  | 5009.5  |
| 25°   | 5724.0  | 5705.7  | 5544.1  | 5211.0  | 4906.3  | 4584.9  | 4546.6  | 4729.7  | 5067.8  | 5154.4  |
| 27.5° | 6606.7  | 6591.7  | 6416.8  | 5977.1  | 5537.5  | 5011.2  | 4811.3  | 4931.3  | 5226.0  | 5324.3  |
| 30°   | 7555.9  | 7599.2  | 7289.5  | 6816.5  | 6260.2  | 5567.4  | 5167.7  | 5179.4  | 5430.9  | 5519.1  |
| 32.5° | 8671.8  | 8746.7  | 8373.6  | 7774.1  | 7014.7  | 6172.0  | 5617.4  | 5525.8  | 5729.0  | 5802.3  |
| 35°   | 9777.6  | 9862.5  | 9552.8  | 8889.9  | 8015.6  | 6884.8  | 6087.0  | 5923.8  | 6125.4  | 6205.3  |
| 37.5° | 10733.5 | 10846.8 | 10686.9 | 10110.7 | 9086.4  | 7744.1  | 6699.9  | 6391.8  | 6613.3  | 6713.2  |
| 40°   | 11487.9 | 11661.2 | 11649.5 | 11289.8 | 10348.8 | 8786.7  | 7477.7  | 6969.7  | 7219.5  | 7327.8  |
| 42.5° | 12100.8 | 12250.7 | 12380.6 | 12362.3 | 11666.1 | 9970.8  | 8392.0  | 7720.8  | 7910.7  | 8035.6  |
| 45°   | 12523.8 | 12683.7 | 12963.5 | 13264.9 | 12933.5 | 11238.1 | 9439.5  | 8611.8  | 8785.0  | 8973.2  |
| 47.5° | 12901.9 | 13083.4 | 13446.5 | 13924.4 | 14009.4 | 12510.5 | 10587.0 | 9649.3  | 9807.6  | 10002.4 |
| 50°   | 12935.2 | 13091.7 | 13654.6 | 14332.5 | 14773.8 | 13732.9 | 11819.4 | 10813.5 | 10961.7 | 11169.9 |
| 52.5° | 12130.8 | 12377.3 | 13359.9 | 14320.8 | 15125.2 | 14755.5 | 13043.4 | 12024.2 | 12190.7 | 12440.6 |
| 55°   | 9416.2  | 9777.6  | 12495.5 | 13874.5 | 15000.3 | 15416.6 | 14207.6 | 13311.6 | 13524.7 | 13786.2 |
| 57.5° | 8110.5  | 8268.7  | 9919.1  | 13061.8 | 14430.7 | 15588.2 | 15190.1 | 14612.2 | 14955.3 | 15241.8 |
| 60°   | 7289.5  | 7421.0  | 8397.0  | 11797.7 | 13681.3 | 15316.7 | 15949.6 | 15824.7 | 16417.5 | 16758.9 |
| 62.5° | 6410.1  | 6535.0  | 7422.7  | 9850.9  | 12722.0 | 14865.4 | 16429.2 | 16943.8 | 17916.4 | 18289.5 |
| 65°   | 5537.5  | 5644.1  | 6495.1  | 8277.1  | 11502.9 | 14414.1 | 16677.3 | 17911.4 | 19303.7 | 19690.1 |
| 67.5° | 4564.9  | 4653.1  | 5457.5  | 6983.0  | 10020.7 | 13796.2 | 16800.6 | 18672.5 | 20511.1 | 20842.5 |
| 70°   | 3294.2  | 3362.4  | 4193.5  | 5522.5  | 8160.5  | 12733.7 | 16750.6 | 19212.1 | 21137.3 | 21402.1 |
| 72.5° | 1557.2  | 1618.8  | 2594.7  | 3585.6  | 5764.0  | 10665.2 | 15739.7 | 18784.1 | 20501.1 | 20369.5 |
| 75°   | 831.0   | 884.3   | 1490.5  | 1966.8  | 3044.4  | 7311.1  | 12880.2 | 16181.1 | 17215.3 | 16575.8 |
| 77.5° | 562.9   | 604.5   | 922.6   | 1180.8  | 1390.6  | 3470.7  | 8278.7  | 11203.2 | 10778.5 | 9722.6  |
| 80°   | 446.3   | 489.6   | 756.1   | 799.4   | 672.8   | 1254.0  | 3420.7  | 5186.1  | 3725.5  | 2979.4  |
| 82.5° | 343.1   | 391.4   | 636.2   | 579.6   | 366.4   | 514.6   | 995.9   | 1640.4  | 954.3   | 726.1   |
| 85°   | 209.8   | 261.5   | 499.6   | 369.7   | 206.5   | 234.8   | 338.1   | 456.3   | 291.4   | 243.1   |
| 87.5° | 106.6   | 149.9   | 253.1   | 134.9   | 93.3    | 55.0    | 89.9    | 89.9    | 76.6    | 66.6    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4536.6  | 0°    | 4536.6  | 4536.6 | 4536.6 | 4536.6 | 4536.6 | 4536.6 | 4536.6 | 4536.6 | 4536.6 | 4536.6 |
| 4513.2  | 2.5°  | 4553.2  | 4586.5 | 4643.1 | 4696.4 | 4738.1 | 4778.0 | 4818.0 | 4839.7 | 4846.3 | 4873.0 |
| 4538.2  | 5°    | 4606.5  | 4668.1 | 4778.0 | 4881.3 | 4946.2 | 4986.2 | 5014.5 | 5031.2 | 5034.5 | 5042.8 |
| 4606.5  | 7.5°  | 4704.8  | 4803.0 | 4956.2 | 5059.5 | 5107.8 | 5104.5 | 5092.8 | 5051.2 | 5034.5 | 5019.5 |
| 4706.4  | 10°   | 4843.0  | 4972.9 | 5161.1 | 5232.7 | 5202.7 | 5122.8 | 5019.5 | 4898.0 | 4841.3 | 4786.4 |
| 4843.0  | 12.5° | 5014.5  | 5179.4 | 5364.3 | 5360.9 | 5212.7 | 5007.9 | 4768.0 | 4581.5 | 4463.3 | 4378.3 |
| 5011.2  | 15°   | 5222.7  | 5412.6 | 5554.1 | 5440.9 | 5116.1 | 4748.1 | 4396.7 | 4153.5 | 4046.9 | 3953.7 |
| 5181.1  | 17.5° | 5437.5  | 5640.7 | 5705.7 | 5415.9 | 4873.0 | 4363.4 | 3965.3 | 3773.8 | 3668.9 | 3618.9 |
| 5364.3  | 20°   | 5647.4  | 5848.9 | 5795.6 | 5272.7 | 4503.2 | 3927.0 | 3572.3 | 3467.4 | 3445.7 | 3457.4 |
| 5542.5  | 22.5° | 5868.9  | 6048.7 | 5813.9 | 4996.2 | 4031.9 | 3480.7 | 3285.8 | 3289.2 | 3337.5 | 3372.4 |
| 5729.0  | 25°   | 6095.4  | 6216.9 | 5765.6 | 4596.5 | 3525.7 | 3152.6 | 3104.3 | 3157.6 | 3252.5 | 3320.8 |
| 5938.8  | 27.5° | 6313.5  | 6366.8 | 5660.7 | 4101.9 | 3091.0 | 2917.8 | 2926.1 | 3036.0 | 3179.3 | 3274.2 |
| 6193.6  | 30°   | 6560.0  | 6500.1 | 5459.2 | 3545.6 | 2789.5 | 2716.3 | 2786.2 | 2914.5 | 3057.7 | 3142.6 |
| 6515.1  | 32.5° | 6838.1  | 6615.0 | 5139.4 | 3031.0 | 2576.4 | 2554.7 | 2669.6 | 2752.9 | 2816.2 | 2841.2 |
| 6941.4  | 35°   | 7184.5  | 6776.5 | 4729.7 | 2669.6 | 2384.9 | 2436.5 | 2546.4 | 2504.8 | 2479.8 | 2466.5 |
| 7514.3  | 37.5° | 7634.2  | 6994.7 | 4250.1 | 2434.8 | 2230.0 | 2351.5 | 2396.5 | 2266.6 | 2168.4 | 2120.1 |
| 8208.8  | 40°   | 8175.5  | 7314.4 | 3788.8 | 2253.3 | 2131.7 | 2278.3 | 2200.0 | 2043.4 | 1918.5 | 1850.3 |
| 8989.8  | 42.5° | 8776.7  | 7649.2 | 3400.8 | 2116.7 | 2076.8 | 2218.3 | 2055.1 | 1868.6 | 1667.1 | 1645.4 |
| 9920.8  | 45°   | 9407.9  | 7993.9 | 3136.0 | 2011.8 | 2050.1 | 2166.7 | 1971.8 | 1670.4 | 1527.2 | 1615.4 |
| 10855.1 | 47.5° | 10039.0 | 8310.4 | 2976.1 | 1933.5 | 2036.8 | 2108.4 | 1898.6 | 1560.5 | 1458.9 | 1587.1 |
| 11856.0 | 50°   | 10741.8 | 8593.5 | 2904.5 | 1876.9 | 2021.8 | 2085.1 | 1788.6 | 1532.2 | 1387.3 | 1472.2 |
| 12891.9 | 52.5° | 11439.7 | 8813.3 | 2851.2 | 1820.3 | 2000.1 | 2066.8 | 1735.3 | 1498.9 | 1300.7 | 1305.7 |
| 13934.4 | 55°   | 12135.8 | 8956.5 | 2792.9 | 1745.3 | 1951.9 | 2026.8 | 1730.4 | 1462.2 | 1235.7 | 1212.4 |
| 15036.9 | 57.5° | 12878.6 | 9038.1 | 2721.3 | 1662.1 | 1868.6 | 1925.2 | 1725.4 | 1433.9 | 1215.7 | 1177.4 |
| 16164.4 | 60°   | 13634.7 | 9158.1 | 2628.0 | 1560.5 | 1757.0 | 1803.6 | 1713.7 | 1423.9 | 1204.1 | 1139.1 |
| 17226.9 | 62.5° | 14312.5 | 9199.7 | 2516.4 | 1463.9 | 1613.8 | 1683.7 | 1688.7 | 1415.6 | 1172.4 | 1060.9 |
| 18109.6 | 65°   | 14757.1 | 9019.8 | 2321.6 | 1354.0 | 1458.9 | 1560.5 | 1640.4 | 1387.3 | 1115.8 | 1004.2 |
| 18545.9 | 67.5° | 14738.8 | 8506.9 | 2016.8 | 1212.4 | 1309.0 | 1423.9 | 1570.5 | 1339.0 | 1047.5 | 934.3  |
| 18216.2 | 70°   | 14052.7 | 7494.3 | 1630.4 | 1047.5 | 1144.1 | 1277.4 | 1480.5 | 1267.4 | 965.9  | 857.7  |
| 16197.7 | 72.5° | 12052.5 | 5865.5 | 1184.1 | 854.4  | 952.6  | 1125.8 | 1364.0 | 1180.8 | 882.7  | 789.4  |
| 11970.9 | 75°   | 8610.1  | 3712.2 | 802.7  | 656.2  | 741.1  | 954.3  | 1219.1 | 1079.2 | 806.1  | 792.7  |
| 5995.5  | 77.5° | 4398.3  | 1773.7 | 531.3  | 479.6  | 516.3  | 752.8  | 1024.2 | 964.3  | 817.7  | 654.5  |
| 1705.4  | 80°   | 1430.6  | 654.5  | 334.7  | 326.4  | 343.1  | 501.3  | 792.7  | 791.1  | 619.5  | 444.7  |
| 413.0   | 82.5° | 456.3   | 281.5  | 218.2  | 209.8  | 201.5  | 314.8  | 552.9  | 626.2  | 418.0  | 281.5  |
| 148.2   | 85°   | 181.5   | 168.2  | 128.2  | 118.2  | 84.9   | 148.2  | 289.8  | 416.4  | 311.4  | 203.2  |
| 38.3    | 87.5° | 66.6    | 66.6   | 35.0   | 25.0   | 18.3   | 50.0   | 78.3   | 124.9  | 178.2  | 104.9  |
| 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°   |
|--------|
| 4536.6 |
| 4888.0 |
| 5056.2 |
| 5022.9 |
| 4769.7 |
| 4358.4 |
| 3943.7 |
| 3633.9 |
| 3452.4 |
| 3380.8 |
| 3339.1 |
| 3297.5 |
| 3162.6 |
| 2854.5 |
| 2479.8 |
| 2131.7 |
| 1855.3 |
| 1667.1 |
| 1662.1 |
| 1647.1 |
| 1535.5 |
| 1340.6 |
| 1229.1 |
| 1182.4 |
| 1144.1 |
| 1060.9 |
| 1004.2 |
| 939.3  |
| 867.7  |
| 784.4  |
| 747.8  |
| 582.9  |
| 393.0  |
| 279.8  |
| 208.2  |
| 103.3  |
| 0.0    |