

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: P942528

Luminaire Tested: **GLAN-SB6C-827-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29900 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

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



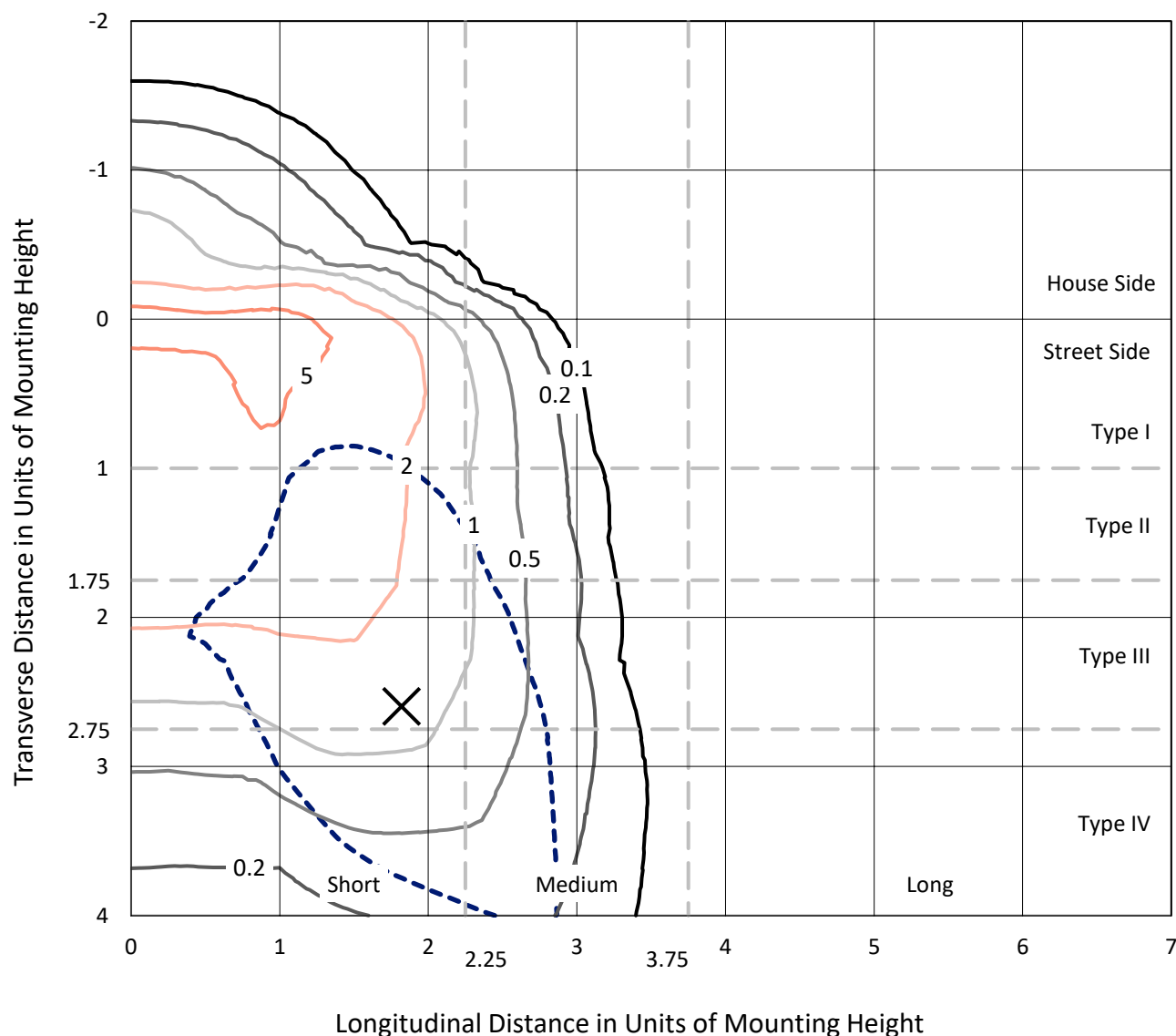
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

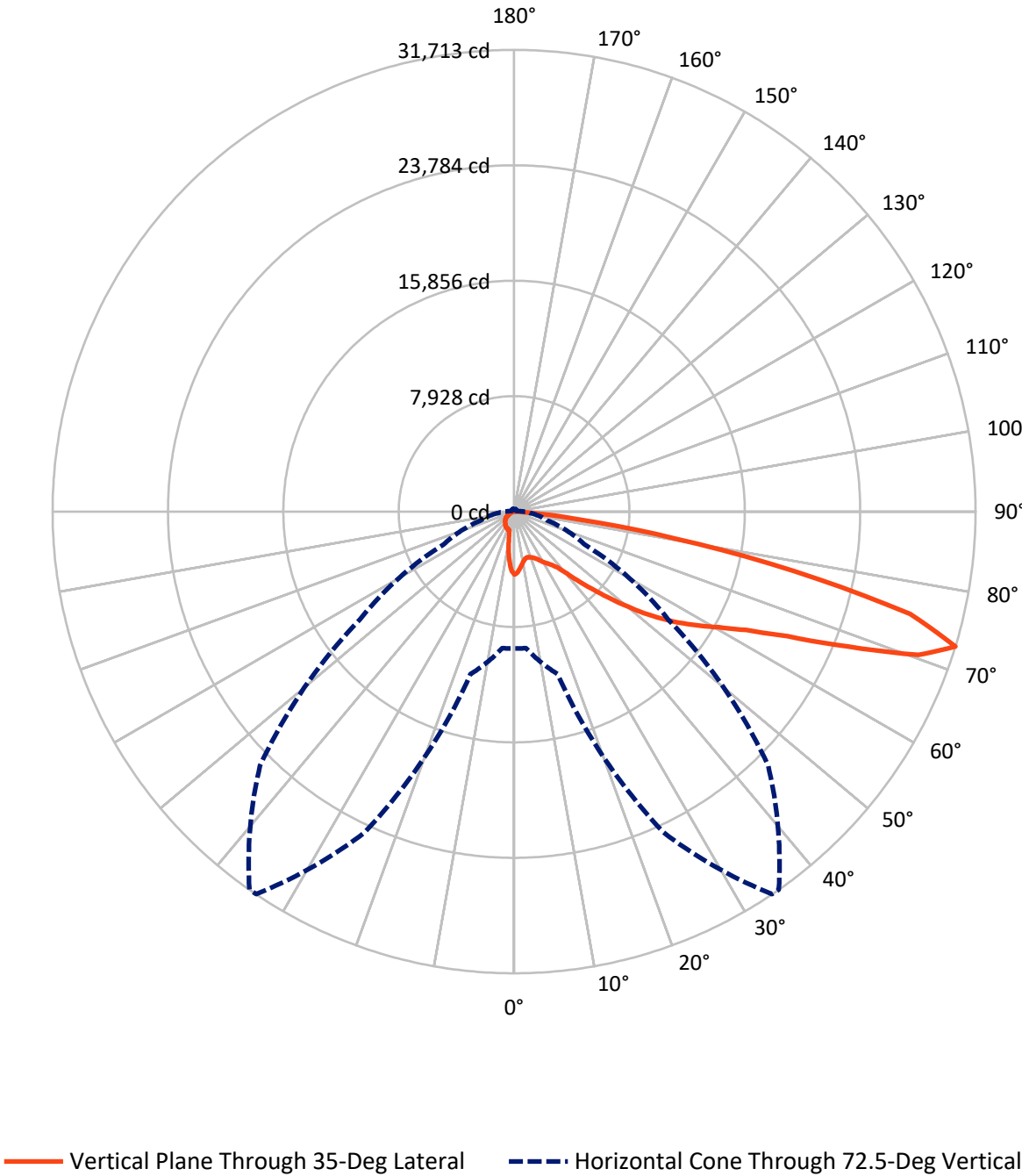


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc

Type IV - 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    | 3365.1   | 0.0    | 3365.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 26534.9  | 0.0    | 26534.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 29900.0  | 0.0    | 29900.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 356.1   | 1.2       |
| 10°-20°   | 833.1   | 2.8       |
| 20°-30°   | 1353.3  | 4.5       |
| 30°-40°   | 2257.9  | 7.6       |
| 40°-50°   | 4272.0  | 14.3      |
| 50°-60°   | 6788.3  | 22.7      |
| 60°-70°   | 8397.5  | 28.1      |
| 70°-80°   | 5220.0  | 17.5      |
| 80°-90°   | 421.9   | 1.4       |
| 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°    | 29900.0 | 100.0     |
| 0°-180°   | 29900.0 | 100.0     |

**Coefficient of Utilization**



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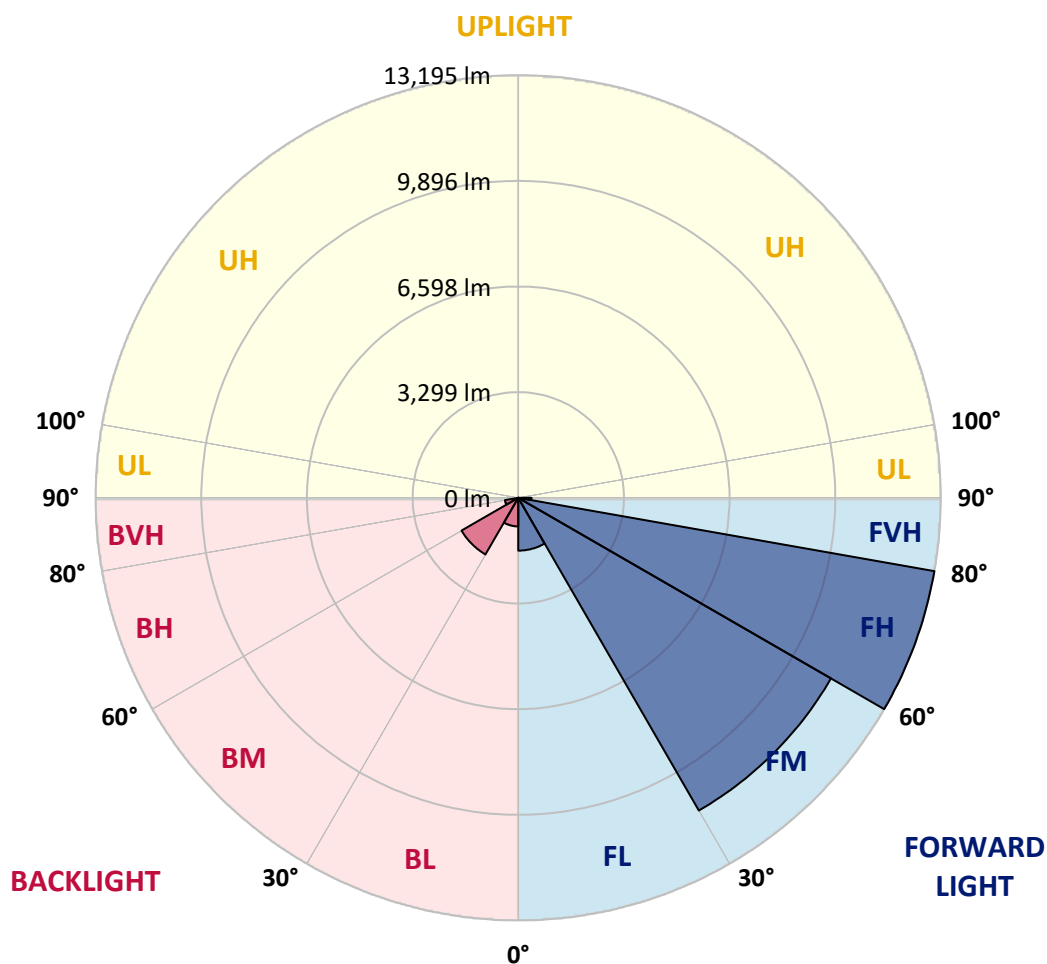
CATALOG NUMBER: GLAN-SB6C-827-U-T4FT-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1648.2  | 5.5       |                         |      |        |
| FM   | (30°-60°)   | 11275.3 | 37.7      |                         |      |        |
| FH   | (60°-80°)   | 13195.2 | 44.1      |                         |      | G5     |
| FVH  | (80°-90°)   | 416.1   | 1.4       |                         |      | G3/500 |
| BL   | (0°-30°)    | 894.2   | 3.0       | B2/1000                 |      |        |
| BM   | (30°-60°)   | 2042.9  | 6.8       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 422.3   | 1.4       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 5.7     | 0.0       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  | 4333.5  |
| 2.5°  | 4140.7  | 4175.8  | 4182.3  | 4193.3  | 4193.3  | 4206.4  | 4228.4  | 4259.0  | 4309.4  | 4335.7  |
| 5°    | 3816.5  | 3842.8  | 3875.6  | 3901.9  | 3952.3  | 3958.9  | 4044.3  | 4127.6  | 4243.7  | 4331.3  |
| 7.5°  | 3490.0  | 3520.7  | 3564.5  | 3628.1  | 3693.8  | 3713.5  | 3842.8  | 3983.0  | 4167.0  | 4331.3  |
| 10°   | 3260.0  | 3262.2  | 3301.6  | 3365.2  | 3470.3  | 3494.4  | 3652.2  | 3851.5  | 4081.6  | 4305.0  |
| 12.5° | 3130.7  | 3146.1  | 3163.6  | 3211.8  | 3312.6  | 3327.9  | 3496.6  | 3731.0  | 3996.1  | 4289.7  |
| 15°   | 3130.7  | 3141.7  | 3152.6  | 3176.7  | 3257.8  | 3270.9  | 3419.9  | 3654.3  | 3952.3  | 4296.3  |
| 17.5° | 3163.6  | 3181.1  | 3172.4  | 3200.8  | 3286.3  | 3295.0  | 3426.5  | 3632.4  | 3950.1  | 4337.9  |
| 20°   | 3242.5  | 3255.6  | 3238.1  | 3255.6  | 3341.1  | 3358.6  | 3494.4  | 3674.1  | 3987.4  | 4410.2  |
| 22.5° | 3367.3  | 3373.9  | 3332.3  | 3345.4  | 3433.1  | 3455.0  | 3612.7  | 3792.4  | 4077.2  | 4526.3  |
| 25°   | 3525.1  | 3538.2  | 3474.7  | 3490.0  | 3573.3  | 3599.6  | 3781.4  | 3969.8  | 4219.6  | 4686.2  |
| 27.5° | 3706.9  | 3713.5  | 3658.7  | 3656.5  | 3763.9  | 3801.1  | 3985.2  | 4188.9  | 4410.2  | 4887.8  |
| 30°   | 3915.1  | 3934.8  | 3882.2  | 3873.4  | 4009.3  | 4039.9  | 4221.8  | 4458.4  | 4690.6  | 5190.1  |
| 32.5° | 4079.4  | 4094.7  | 4064.0  | 4085.9  | 4224.0  | 4248.1  | 4508.8  | 4839.6  | 5131.0  | 5619.5  |
| 35°   | 4316.0  | 4324.7  | 4254.6  | 4294.1  | 4451.8  | 4513.2  | 4900.9  | 5374.2  | 5685.3  | 6158.5  |
| 37.5° | 5172.6  | 5172.6  | 4874.7  | 4679.7  | 4830.8  | 4885.6  | 5437.7  | 6046.8  | 6368.8  | 6881.5  |
| 40°   | 6357.9  | 6338.1  | 5902.2  | 5503.4  | 5483.7  | 5591.1  | 6202.3  | 6894.6  | 7251.7  | 7749.1  |
| 42.5° | 7622.0  | 7591.3  | 6997.6  | 6603.2  | 6537.5  | 6574.8  | 7085.2  | 7939.7  | 8303.3  | 8807.2  |
| 45°   | 8743.7  | 8734.9  | 8191.6  | 7661.4  | 7543.1  | 7661.4  | 8187.2  | 9162.2  | 9422.9  | 9953.1  |
| 47.5° | 9683.6  | 9683.6  | 9287.0  | 8940.9  | 8879.5  | 8949.6  | 9679.2  | 10518.3 | 10494.2 | 11173.4 |
| 50°   | 10765.9 | 10757.1 | 10380.3 | 10231.3 | 10294.8 | 10393.4 | 11396.8 | 11946.7 | 11602.8 | 12371.8 |
| 52.5° | 11523.9 | 11576.5 | 11447.2 | 11423.1 | 11747.4 | 11918.3 | 13140.8 | 13344.5 | 12595.2 | 13508.8 |
| 55°   | 12124.2 | 12185.5 | 12334.5 | 12503.2 | 13127.6 | 13351.1 | 14829.9 | 14670.0 | 13425.6 | 14494.7 |
| 57.5° | 12974.2 | 12886.6 | 13116.7 | 13449.7 | 14459.6 | 14729.1 | 16466.5 | 15920.9 | 14093.8 | 15294.4 |
| 60°   | 14006.1 | 14019.3 | 14058.7 | 14479.4 | 15789.5 | 16135.7 | 18078.9 | 17104.0 | 14523.2 | 15785.1 |
| 62.5° | 15246.2 | 15265.9 | 15346.9 | 15993.2 | 17575.0 | 17901.5 | 19796.6 | 18072.4 | 14720.4 | 15647.1 |
| 65°   | 15160.7 | 15244.0 | 16148.8 | 18359.4 | 20289.5 | 20611.6 | 21801.2 | 18751.5 | 14422.4 | 14385.2 |
| 67.5° | 13811.2 | 13947.0 | 15460.9 | 21185.6 | 24382.0 | 24741.3 | 24224.3 | 18885.2 | 13136.4 | 11186.5 |
| 70°   | 12040.9 | 12089.1 | 13909.7 | 23727.0 | 29120.9 | 29484.5 | 26393.2 | 17415.1 | 9968.4  | 6239.6  |
| 72.5° | 9403.2  | 9414.1  | 11550.2 | 24316.3 | 31692.9 | 31712.6 | 24690.9 | 12928.2 | 5361.0  | 2396.8  |
| 75°   | 6717.2  | 6651.4  | 7735.9  | 19719.9 | 27883.0 | 28106.5 | 18510.5 | 6064.3  | 2048.5  | 1132.7  |
| 77.5° | 3601.8  | 3674.1  | 4377.3  | 11694.8 | 19262.0 | 19643.2 | 10099.8 | 1748.3  | 1042.8  | 771.2   |
| 80°   | 1113.0  | 1174.3  | 1794.3  | 5354.5  | 10910.5 | 11140.5 | 3744.2  | 777.8   | 727.4   | 549.9   |
| 82.5° | 350.5   | 363.7   | 836.9   | 2250.0  | 4528.5  | 4633.7  | 1084.5  | 440.4   | 497.3   | 363.7   |
| 85°   | 100.8   | 103.0   | 372.4   | 839.1   | 1119.5  | 1141.4  | 304.5   | 170.9   | 284.8   | 225.7   |
| 87.5° | 11.0    | 35.1    | 140.2   | 140.2   | 98.6    | 96.4    | 32.9    | 37.2    | 81.1    | 28.5    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4333.5  | 0°    | 4333.5  | 4333.5 | 4333.5 | 4333.5 | 4333.5 | 4333.5 | 4333.5 | 4333.5 | 4333.5 | 4333.5 |
| 4353.2  | 2.5°  | 4342.3  | 4344.5 | 4316.0 | 4267.8 | 4215.2 | 4171.4 | 4116.6 | 4072.8 | 4042.1 | 4033.4 |
| 4392.7  | 5°    | 4372.9  | 4357.6 | 4276.6 | 4129.8 | 3954.5 | 3803.3 | 3634.6 | 3501.0 | 3413.4 | 3376.1 |
| 4434.3  | 7.5°  | 4419.0  | 4375.1 | 4197.7 | 3908.5 | 3573.3 | 3275.3 | 2973.0 | 2738.6 | 2589.6 | 2515.1 |
| 4473.7  | 10°   | 4458.4  | 4370.8 | 4066.2 | 3588.6 | 3076.0 | 2624.6 | 2217.1 | 1934.5 | 1776.8 | 1702.3 |
| 4519.7  | 12.5° | 4495.6  | 4368.6 | 3895.3 | 3209.6 | 2515.1 | 1963.0 | 1584.0 | 1443.8 | 1400.0 | 1384.6 |
| 4594.2  | 15°   | 4565.7  | 4375.1 | 3680.6 | 2775.8 | 1956.4 | 1483.2 | 1345.2 | 1343.0 | 1351.8 | 1347.4 |
| 4708.1  | 17.5° | 4662.1  | 4381.7 | 3437.5 | 2315.7 | 1509.5 | 1307.9 | 1301.4 | 1321.1 | 1334.2 | 1327.7 |
| 4850.6  | 20°   | 4787.0  | 4408.0 | 3178.9 | 1860.0 | 1297.0 | 1264.1 | 1279.5 | 1297.0 | 1307.9 | 1297.0 |
| 5041.2  | 22.5° | 4962.3  | 4454.0 | 2896.3 | 1494.2 | 1229.1 | 1237.8 | 1251.0 | 1270.7 | 1281.7 | 1266.3 |
| 5284.3  | 25°   | 5177.0  | 4526.3 | 2618.1 | 1299.2 | 1196.2 | 1207.2 | 1226.9 | 1248.8 | 1261.9 | 1246.6 |
| 5591.1  | 27.5° | 5455.2  | 4642.4 | 2361.7 | 1255.4 | 1163.3 | 1169.9 | 1198.4 | 1231.3 | 1248.8 | 1229.1 |
| 6027.0  | 30°   | 5858.3  | 4833.0 | 2140.5 | 1275.1 | 1143.6 | 1128.3 | 1167.7 | 1213.7 | 1233.5 | 1215.9 |
| 6620.8  | 32.5° | 6392.9  | 5102.5 | 2004.6 | 1305.7 | 1134.9 | 1080.1 | 1117.3 | 1176.5 | 1209.4 | 1198.4 |
| 7396.3  | 35°   | 7094.0  | 5512.2 | 1952.1 | 1340.8 | 1128.3 | 1029.7 | 1056.0 | 1119.5 | 1176.5 | 1187.4 |
| 8373.5  | 37.5° | 7944.0  | 6081.8 | 1967.4 | 1356.1 | 1108.6 | 988.1  | 1001.2 | 1056.0 | 1130.5 | 1165.5 |
| 9473.3  | 40°   | 8910.2  | 6745.6 | 2055.0 | 1340.8 | 1086.7 | 953.0  | 955.2  | 996.8  | 1062.6 | 1115.1 |
| 10656.3 | 42.5° | 9907.0  | 7521.2 | 2217.1 | 1283.8 | 1066.9 | 922.4  | 915.8  | 944.3  | 988.1  | 1025.3 |
| 11837.2 | 45°   | 10855.7 | 8318.7 | 2377.1 | 1205.0 | 1042.8 | 891.7  | 876.3  | 887.3  | 896.1  | 911.4  |
| 12987.4 | 47.5° | 11683.8 | 8879.5 | 2331.1 | 1132.7 | 1010.0 | 856.6  | 830.3  | 826.0  | 799.7  | 797.5  |
| 14014.9 | 50°   | 12255.6 | 9002.2 | 2070.4 | 1060.4 | 961.8  | 817.2  | 775.6  | 749.3  | 703.3  | 681.4  |
| 14783.9 | 52.5° | 12437.5 | 8518.0 | 1691.3 | 988.1  | 882.9  | 764.6  | 705.5  | 663.8  | 606.9  | 587.1  |
| 15226.4 | 55°   | 12196.5 | 7569.4 | 1351.8 | 900.4  | 773.4  | 694.5  | 628.8  | 574.0  | 528.0  | 503.9  |
| 15274.6 | 57.5° | 11607.2 | 6362.2 | 1069.1 | 797.5  | 657.3  | 615.6  | 549.9  | 495.1  | 455.7  | 431.6  |
| 14740.1 | 60°   | 10630.0 | 5052.1 | 845.7  | 674.8  | 560.9  | 530.2  | 462.3  | 427.2  | 392.2  | 363.7  |
| 13359.8 | 62.5° | 9146.8  | 3606.1 | 663.8  | 534.6  | 468.8  | 433.8  | 394.4  | 368.1  | 326.4  | 287.0  |
| 10877.6 | 65°   | 7137.8  | 2206.2 | 512.7  | 392.2  | 376.8  | 359.3  | 335.2  | 311.1  | 260.7  | 221.3  |
| 7096.2  | 67.5° | 4502.2  | 1045.0 | 365.9  | 295.8  | 298.0  | 289.2  | 278.2  | 258.5  | 221.3  | 186.2  |
| 3178.9  | 70°   | 1982.7  | 506.1  | 241.0  | 225.7  | 221.3  | 221.3  | 230.0  | 223.5  | 188.4  | 155.6  |
| 1104.2  | 72.5° | 674.8   | 271.7  | 179.7  | 170.9  | 159.9  | 157.7  | 192.8  | 186.2  | 151.2  | 120.5  |
| 549.9   | 75°   | 352.7   | 181.8  | 131.5  | 122.7  | 96.4   | 116.1  | 153.4  | 144.6  | 107.4  | 78.9   |
| 363.7   | 77.5° | 230.0   | 129.3  | 89.8   | 78.9   | 54.8   | 76.7   | 113.9  | 100.8  | 63.5   | 39.4   |
| 238.8   | 80°   | 144.6   | 85.4   | 52.6   | 37.2   | 26.3   | 41.6   | 61.3   | 43.8   | 24.1   | 8.8    |
| 140.2   | 82.5° | 76.7    | 43.8   | 19.7   | 13.1   | 11.0   | 13.1   | 15.3   | 11.0   | 4.4    | 0.0    |
| 72.3    | 85°   | 30.7    | 15.3   | 6.6    | 4.4    | 2.2    | 0.0    | 4.4    | 2.2    | 0.0    | 0.0    |
| 13.1    | 87.5° | 11.0    | 2.2    | 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°   |
|--------|
| 4333.5 |
| 4048.7 |
| 3389.3 |
| 2526.1 |
| 1704.5 |
| 1380.2 |
| 1345.2 |
| 1325.5 |
| 1294.8 |
| 1264.1 |
| 1244.4 |
| 1229.1 |
| 1213.7 |
| 1198.4 |
| 1187.4 |
| 1174.3 |
| 1132.7 |
| 1040.7 |
| 920.2  |
| 795.3  |
| 683.5  |
| 585.0  |
| 503.9  |
| 427.2  |
| 357.1  |
| 280.4  |
| 214.7  |
| 181.8  |
| 149.0  |
| 113.9  |
| 72.3   |
| 35.1   |
| 6.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |