

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: P952722

Luminaire Tested: **GLAN-SB6C-727-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-727-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 35069 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - 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

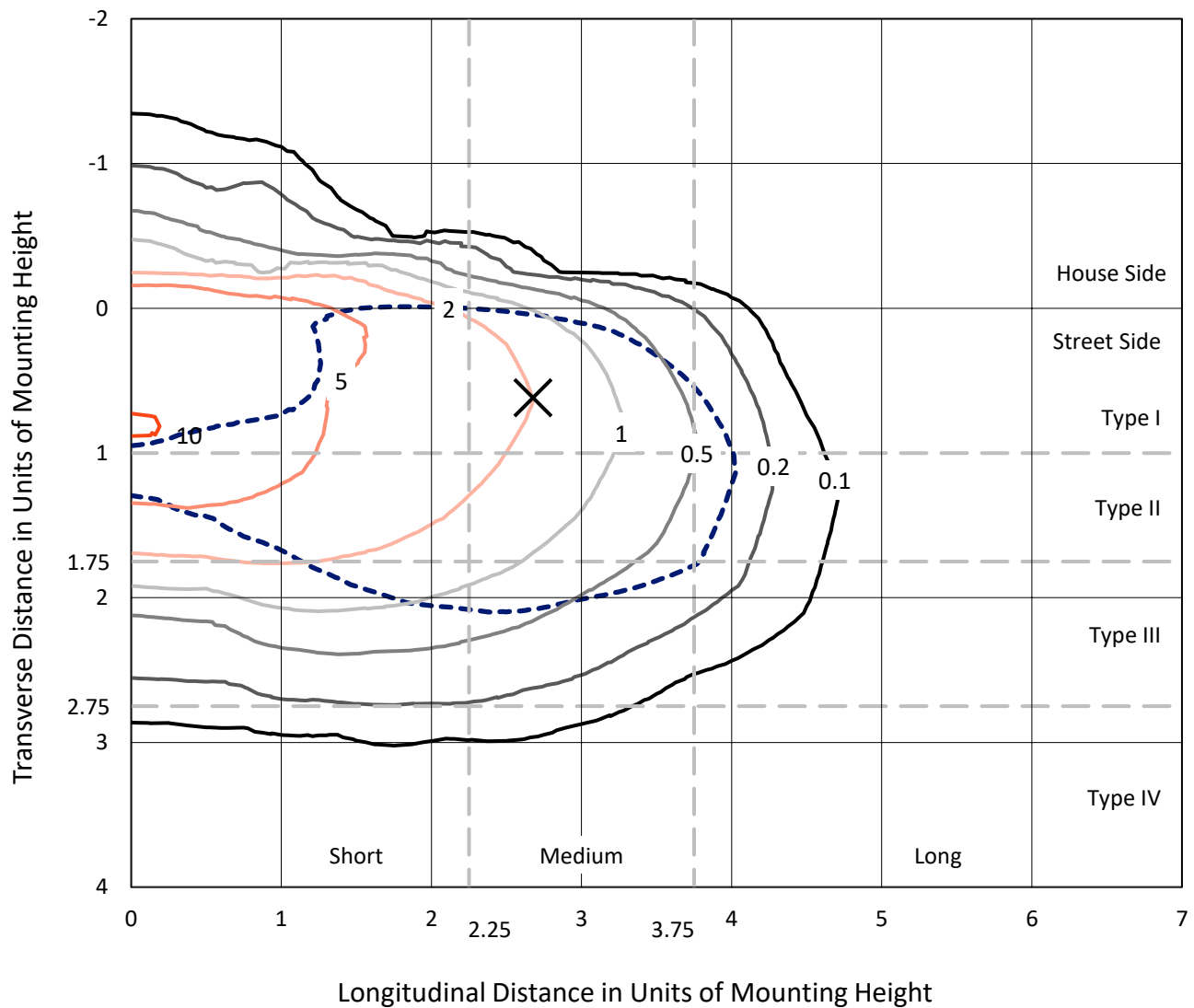


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## Iso-Footcandle Lines of Horizontal Illumination

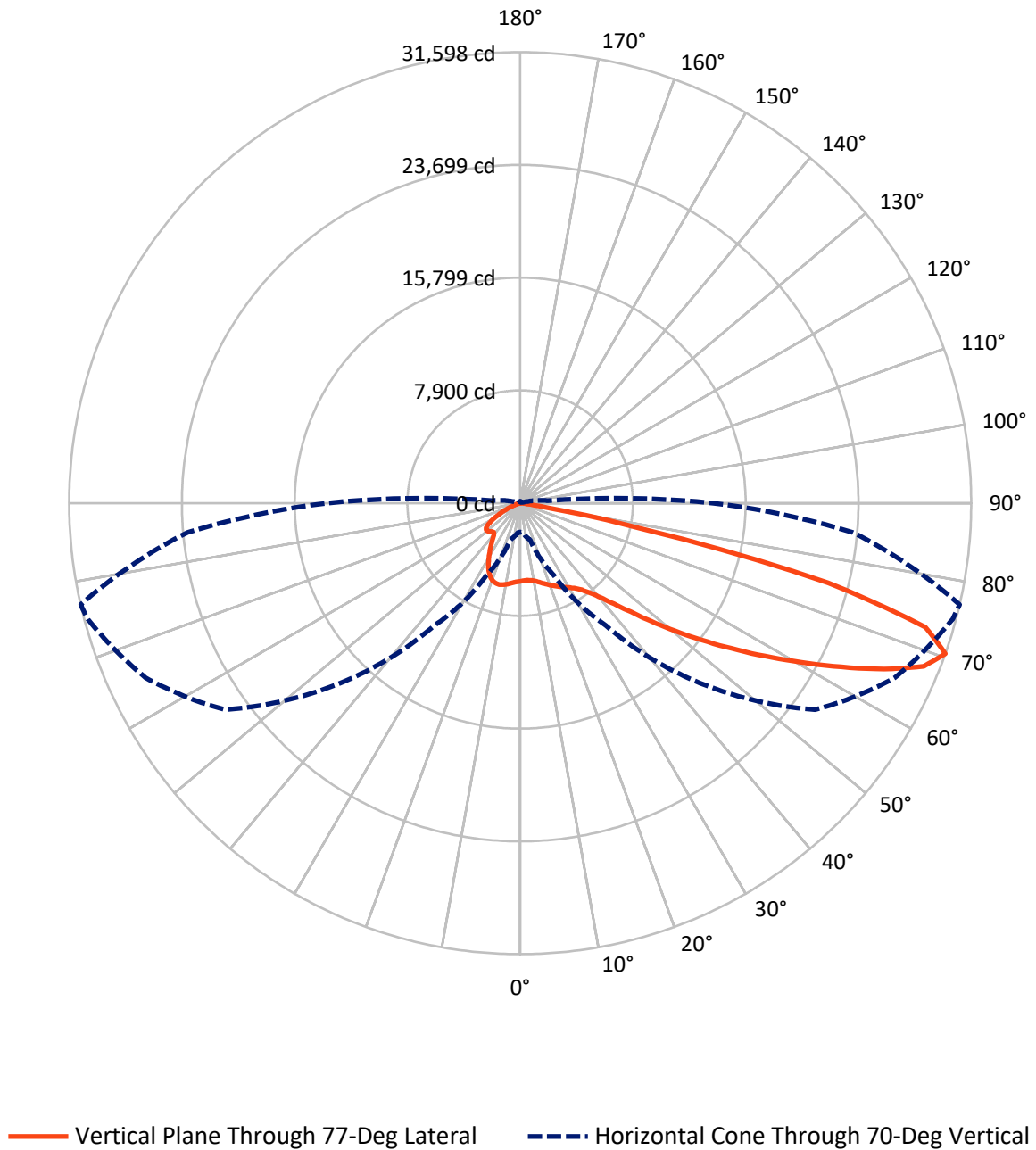
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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    | 3696.8   | 0.0    | 3696.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 31372.2  | 0.0    | 31372.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 35069.0  | 0.0    | 35069.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 471.4   | 1.3       |
| 10°-20°   | 1119.1  | 3.2       |
| 20°-30°   | 1731.0  | 4.9       |
| 30°-40°   | 3141.0  | 9.0       |
| 40°-50°   | 5929.0  | 16.9      |
| 50°-60°   | 8566.9  | 24.4      |
| 60°-70°   | 9119.3  | 26.0      |
| 70°-80°   | 4832.6  | 13.8      |
| 80°-90°   | 158.7   | 0.5       |
| 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°    | 35069.0 | 100.0     |
| 0°-180°   | 35069.0 | 100.0     |

**Coefficient of Utilization**



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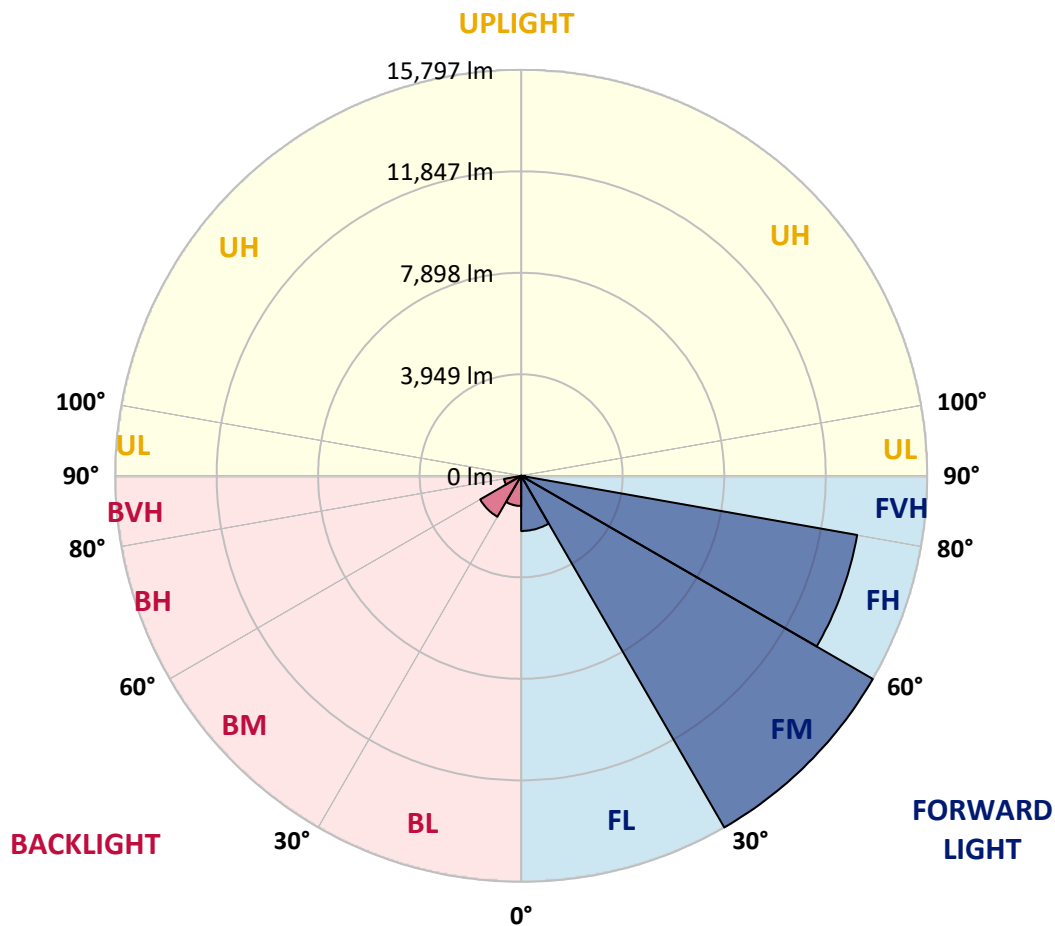
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2147.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 15796.7 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 13274.1 | 37.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 154.4   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1174.5  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1840.3  | 5.2       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 677.7   | 1.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 4.3     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  | 5470.1  |
| 2.5°  | 5135.7  | 5182.2  | 5175.6  | 5206.6  | 5217.7  | 5262.0  | 5306.2  | 5366.0  | 5432.5  | 5430.3  |
| 5°    | 4845.6  | 4892.1  | 4903.2  | 4945.3  | 4998.4  | 5067.1  | 5157.9  | 5277.5  | 5401.5  | 5421.4  |
| 7.5°  | 4502.3  | 4551.1  | 4579.9  | 4664.0  | 4761.4  | 4903.2  | 5051.6  | 5226.5  | 5432.5  | 5461.3  |
| 10°   | 4159.1  | 4203.4  | 4241.0  | 4360.6  | 4515.6  | 4726.0  | 4967.4  | 5219.9  | 5496.7  | 5538.8  |
| 12.5° | 3946.5  | 3988.5  | 4030.6  | 4134.7  | 4327.4  | 4584.3  | 4912.0  | 5250.9  | 5603.0  | 5662.8  |
| 15°   | 3871.2  | 3908.8  | 3942.0  | 4035.1  | 4214.4  | 4506.8  | 4901.0  | 5315.1  | 5738.1  | 5817.8  |
| 17.5° | 3882.2  | 3902.2  | 3924.3  | 3995.2  | 4170.1  | 4471.3  | 4920.9  | 5425.8  | 5897.6  | 5968.4  |
| 20°   | 3946.5  | 3957.5  | 3959.8  | 4008.5  | 4163.5  | 4466.9  | 4960.8  | 5532.1  | 6048.1  | 6143.4  |
| 22.5° | 4028.4  | 4032.8  | 4028.4  | 4061.6  | 4205.6  | 4500.1  | 5013.9  | 5660.6  | 6216.5  | 6305.0  |
| 25°   | 4411.5  | 4327.4  | 4221.1  | 4156.9  | 4276.4  | 4564.3  | 5093.6  | 5833.3  | 6400.3  | 6486.6  |
| 27.5° | 5600.8  | 5359.4  | 4978.5  | 4551.1  | 4422.6  | 4657.4  | 5204.4  | 6008.3  | 6586.3  | 6663.8  |
| 30°   | 7531.9  | 7215.3  | 6568.6  | 5605.2  | 4892.1  | 4852.2  | 5348.3  | 6183.2  | 6783.4  | 6867.6  |
| 32.5° | 9467.5  | 9390.0  | 8643.7  | 7310.5  | 5948.5  | 5286.3  | 5587.5  | 6420.2  | 7044.7  | 7111.2  |
| 35°   | 11425.3 | 11268.0 | 10656.8 | 9339.1  | 7576.2  | 6170.0  | 5986.1  | 6730.3  | 7388.0  | 7463.3  |
| 37.5° | 12924.6 | 12829.3 | 12450.6 | 11365.5 | 9507.4  | 7534.2  | 6668.2  | 7210.8  | 7886.3  | 7970.4  |
| 40°   | 14248.9 | 14204.6 | 14076.2 | 13360.8 | 11666.7 | 9319.2  | 7729.1  | 7954.9  | 8577.3  | 8676.9  |
| 42.5° | 15289.8 | 15393.9 | 15467.0 | 15267.6 | 13892.4 | 11356.6 | 9155.3  | 9000.2  | 9540.6  | 9642.5  |
| 45°   | 16355.0 | 16390.5 | 16685.0 | 16972.9 | 16102.6 | 13487.1 | 10763.1 | 10224.9 | 10738.7 | 10865.0 |
| 47.5° | 17039.3 | 17181.1 | 17699.3 | 18206.5 | 17960.6 | 15599.8 | 12490.5 | 11671.1 | 12127.3 | 12364.3 |
| 50°   | 17090.3 | 17358.3 | 18071.4 | 18955.0 | 19313.8 | 17610.7 | 14368.5 | 13318.8 | 13803.8 | 14065.1 |
| 52.5° | 16242.1 | 16658.4 | 17763.5 | 19056.9 | 20044.6 | 19313.8 | 16310.7 | 14966.5 | 15588.8 | 15929.8 |
| 55°   | 12452.9 | 12997.7 | 16605.3 | 18503.2 | 20073.4 | 20604.9 | 18202.0 | 16682.8 | 17577.5 | 17962.8 |
| 57.5° | 10849.5 | 11124.1 | 13055.2 | 17542.1 | 19539.7 | 21125.3 | 19911.7 | 18317.2 | 19741.2 | 20219.6 |
| 60°   | 9026.8  | 9387.8  | 10949.1 | 15969.7 | 18815.5 | 21176.3 | 21422.1 | 20425.5 | 22086.5 | 22624.6 |
| 62.5° | 6134.5  | 6526.5  | 8079.0  | 13267.8 | 17825.5 | 21151.9 | 22660.1 | 22595.8 | 24693.1 | 25271.1 |
| 65°   | 3800.3  | 4046.1  | 5069.3  | 10834.0 | 16441.4 | 21178.5 | 23955.6 | 25231.3 | 27443.7 | 28030.5 |
| 67.5° | 3003.0  | 3116.0  | 3649.7  | 8318.1  | 14056.2 | 20580.5 | 25249.0 | 27709.4 | 30032.6 | 30497.6 |
| 70°   | 2017.5  | 2086.2  | 2655.3  | 5576.4  | 10457.5 | 17821.1 | 25224.6 | 28954.0 | 31365.8 | 31598.3 |
| 72.5° | 1063.0  | 1116.2  | 1552.5  | 2582.3  | 6316.1  | 12667.7 | 21262.6 | 27465.8 | 30039.2 | 29689.3 |
| 75°   | 531.5   | 620.1   | 1045.3  | 1311.1  | 2697.4  | 7064.7  | 13203.6 | 21654.6 | 23643.4 | 22288.0 |
| 77.5° | 403.1   | 487.2   | 863.7   | 863.7   | 939.0   | 2378.5  | 5591.9  | 11810.6 | 10893.8 | 9071.1  |
| 80°   | 256.9   | 332.2   | 755.2   | 653.3   | 392.0   | 604.6   | 1457.2  | 3308.7  | 2314.3  | 1760.6  |
| 82.5° | 150.6   | 217.0   | 629.0   | 431.9   | 219.2   | 223.7   | 411.9   | 704.3   | 600.2   | 467.3   |
| 85°   | 59.8    | 141.7   | 431.9   | 170.5   | 86.4    | 55.4    | 124.0   | 150.6   | 124.0   | 93.0    |
| 87.5° | 0.0     | 33.2    | 75.3    | 0.0     | 6.6     | 4.4     | 8.9     | 11.1    | 11.1    | 8.9     |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5470.1  | 0°    | 5470.1  | 5470.1 | 5470.1 | 5470.1 | 5470.1 | 5470.1 | 5470.1 | 5470.1 | 5470.1 | 5470.1 |
| 5474.6  | 2.5°  | 5494.5  | 5498.9 | 5512.2 | 5514.4 | 5483.4 | 5443.6 | 5428.1 | 5421.4 | 5394.8 | 5392.6 |
| 5510.0  | 5°    | 5560.9  | 5580.9 | 5560.9 | 5503.4 | 5366.0 | 5173.4 | 5027.2 | 4907.6 | 4799.1 | 4765.9 |
| 5631.8  | 7.5°  | 5693.8  | 5713.7 | 5653.9 | 5428.1 | 5082.6 | 4699.4 | 4354.0 | 4110.3 | 3891.1 | 3809.2 |
| 5780.2  | 10°   | 5884.3  | 5910.8 | 5722.6 | 5266.4 | 4655.1 | 4039.5 | 3454.8 | 3042.9 | 2721.8 | 2591.1 |
| 5981.7  | 12.5° | 6123.4  | 6134.5 | 5760.2 | 5020.6 | 4099.3 | 3220.1 | 2391.8 | 1951.1 | 1665.4 | 1559.1 |
| 6225.3  | 15°   | 6387.0  | 6371.5 | 5764.7 | 4686.2 | 3341.9 | 2276.6 | 1561.3 | 1282.3 | 1167.1 | 1131.7 |
| 6468.9  | 17.5° | 6663.8  | 6599.6 | 5676.1 | 4203.4 | 2511.4 | 1556.9 | 1158.3 | 1091.8 | 1071.9 | 1063.0 |
| 6710.3  | 20°   | 6936.2  | 6792.3 | 5514.4 | 3572.2 | 1802.7 | 1162.7 | 1051.9 | 1032.0 | 1020.9 | 1016.5 |
| 6953.9  | 22.5° | 7184.3  | 6938.4 | 5237.6 | 2839.2 | 1308.8 | 1027.6 | 994.4  | 976.7  | 956.7  | 947.9  |
| 7190.9  | 25°   | 7425.6  | 7022.6 | 4847.8 | 2154.8 | 1047.5 | 961.1  | 934.6  | 901.4  | 874.8  | 863.7  |
| 7445.6  | 27.5° | 7660.4  | 7075.7 | 4360.6 | 1594.5 | 934.6  | 899.1  | 850.4  | 803.9  | 784.0  | 779.5  |
| 7718.0  | 30°   | 7910.7  | 7093.5 | 3806.9 | 1189.3 | 865.9  | 821.6  | 750.8  | 697.6  | 686.5  | 688.7  |
| 8085.6  | 32.5° | 8216.3  | 7120.0 | 3248.9 | 974.4  | 808.3  | 728.6  | 644.5  | 589.1  | 580.2  | 589.1  |
| 8621.5  | 35°   | 8581.7  | 7173.2 | 2710.7 | 896.9  | 757.4  | 633.4  | 542.6  | 496.1  | 487.2  | 493.9  |
| 9308.1  | 37.5° | 9077.8  | 7259.5 | 2208.0 | 881.4  | 715.3  | 553.7  | 456.2  | 418.6  | 418.6  | 420.8  |
| 10149.6 | 40°   | 9737.7  | 7489.9 | 1758.4 | 870.3  | 693.2  | 493.9  | 385.3  | 369.8  | 376.5  | 380.9  |
| 11221.5 | 42.5° | 10541.6 | 7979.3 | 1455.0 | 857.1  | 668.8  | 467.3  | 349.9  | 343.3  | 354.3  | 358.8  |
| 12506.0 | 45°   | 11443.0 | 8599.4 | 1348.7 | 834.9  | 646.7  | 485.0  | 334.4  | 325.6  | 338.8  | 341.1  |
| 13945.5 | 47.5° | 12375.3 | 9206.2 | 1335.4 | 810.6  | 624.5  | 511.6  | 330.0  | 310.0  | 325.6  | 327.8  |
| 15482.5 | 50°   | 13318.8 | 9602.6 | 1348.7 | 772.9  | 589.1  | 511.6  | 332.2  | 294.5  | 307.8  | 314.5  |
| 17077.0 | 52.5° | 14268.8 | 9784.2 | 1339.8 | 691.0  | 527.1  | 480.6  | 332.2  | 281.3  | 294.5  | 299.0  |
| 18800.0 | 55°   | 15190.1 | 9748.8 | 1204.8 | 569.2  | 447.4  | 425.2  | 323.3  | 270.2  | 279.0  | 281.3  |
| 20427.7 | 57.5° | 15918.7 | 9254.9 | 954.5  | 442.9  | 363.2  | 354.3  | 294.5  | 256.9  | 263.5  | 261.3  |
| 21920.4 | 60°   | 16299.7 | 8169.8 | 682.1  | 341.1  | 285.7  | 279.0  | 259.1  | 239.2  | 243.6  | 232.5  |
| 23184.9 | 62.5° | 16304.1 | 6734.7 | 456.2  | 270.2  | 228.1  | 221.5  | 221.5  | 214.8  | 210.4  | 188.2  |
| 24163.8 | 65°   | 15956.4 | 5142.4 | 303.4  | 214.8  | 183.8  | 172.7  | 186.0  | 183.8  | 168.3  | 137.3  |
| 24462.8 | 67.5° | 15168.0 | 3370.7 | 230.3  | 168.3  | 141.7  | 135.1  | 148.4  | 155.0  | 144.0  | 115.2  |
| 23373.2 | 70°   | 13546.9 | 1962.2 | 190.5  | 130.7  | 106.3  | 99.7   | 119.6  | 132.9  | 119.6  | 93.0   |
| 19978.2 | 72.5° | 11252.5 | 1058.6 | 155.0  | 97.4   | 73.1   | 66.4   | 95.2   | 108.5  | 95.2   | 68.7   |
| 12818.3 | 75°   | 7301.6  | 566.9  | 119.6  | 64.2   | 37.6   | 42.1   | 70.9   | 79.7   | 66.4   | 44.3   |
| 3762.7  | 77.5° | 2451.6  | 250.3  | 75.3   | 31.0   | 17.7   | 17.7   | 42.1   | 48.7   | 31.0   | 15.5   |
| 684.3   | 80°   | 547.0   | 104.1  | 31.0   | 13.3   | 6.6    | 6.6    | 8.9    | 8.9    | 4.4    | 0.0    |
| 210.4   | 82.5° | 179.4   | 42.1   | 13.3   | 4.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 53.2    | 85°   | 68.7    | 15.5   | 4.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 17.7    | 87.5° | 26.6    | 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°   |
|--------|
| 5470.1 |
| 5397.0 |
| 4745.9 |
| 3775.9 |
| 2535.7 |
| 1525.9 |
| 1131.7 |
| 1060.8 |
| 1012.1 |
| 945.6  |
| 859.3  |
| 775.1  |
| 688.7  |
| 586.9  |
| 491.6  |
| 418.6  |
| 380.9  |
| 358.8  |
| 343.3  |
| 330.0  |
| 316.7  |
| 299.0  |
| 281.3  |
| 261.3  |
| 230.3  |
| 181.6  |
| 132.9  |
| 112.9  |
| 88.6   |
| 66.4   |
| 39.9   |
| 13.3   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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