

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: P955261

Luminaire Tested: **GLAN-SB8B-735-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955261  
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-SB8B-735-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 450mA 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: 34799 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
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

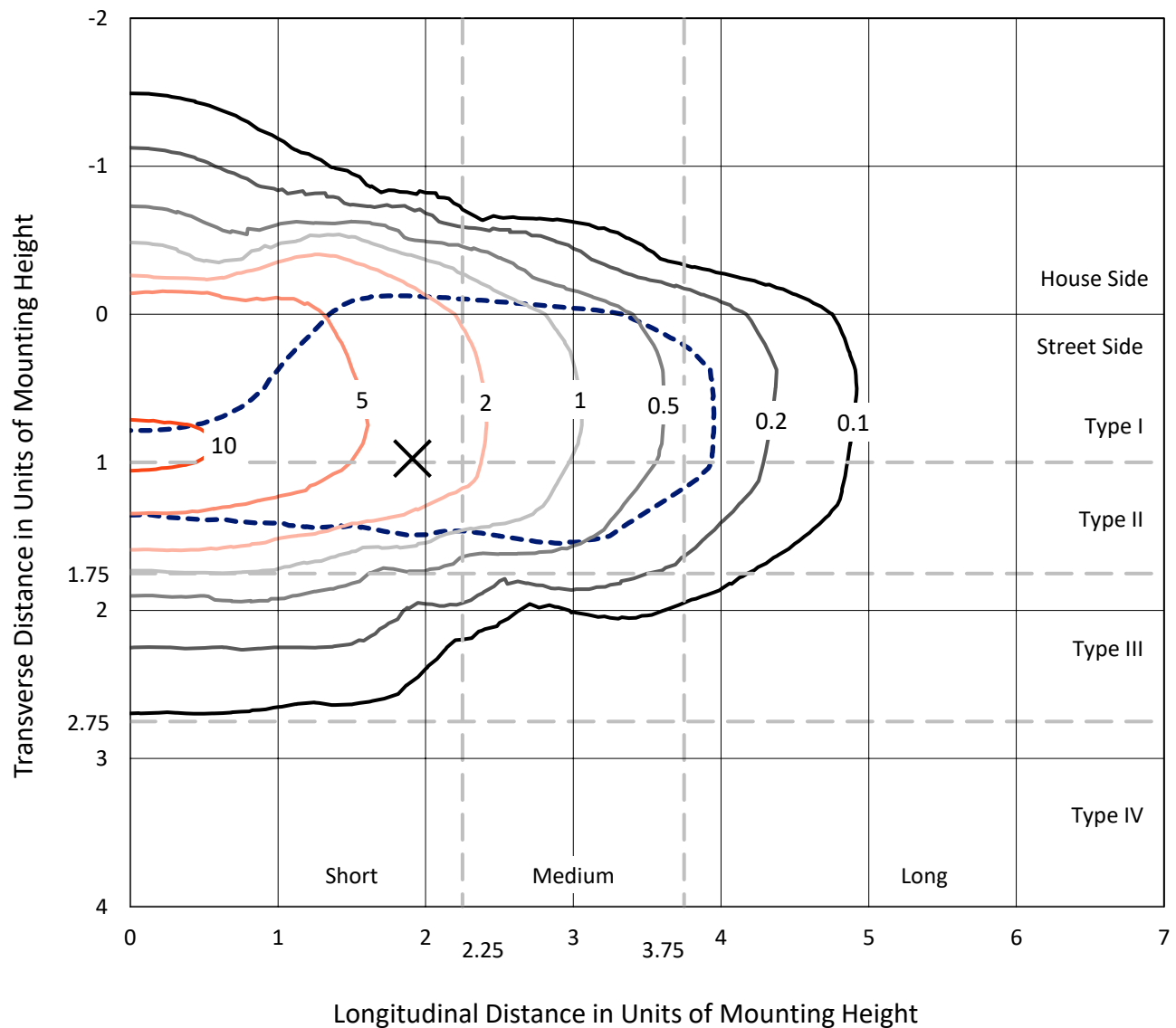


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## Iso-Footcandle Lines of Horizontal Illumination

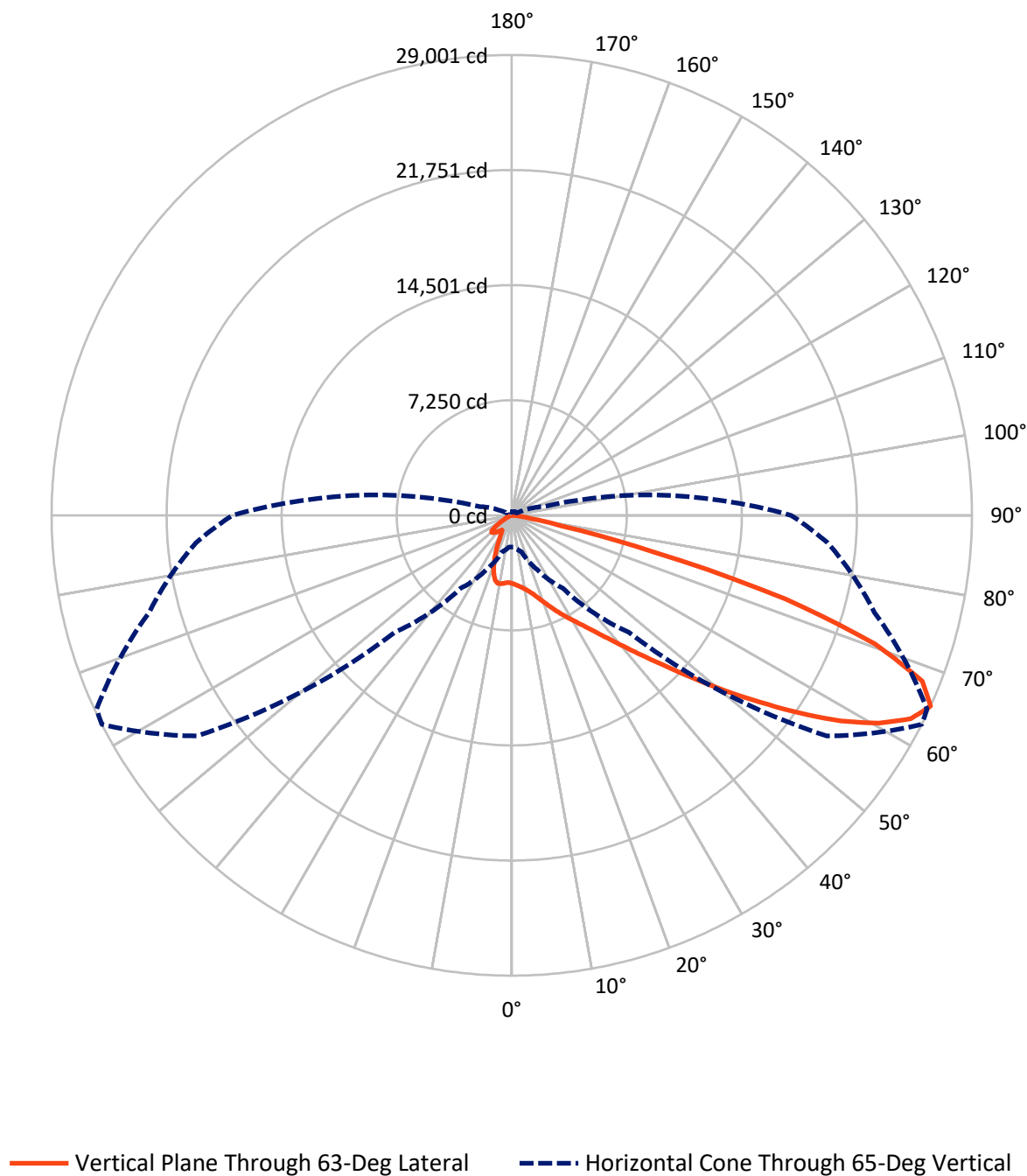
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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    | 5115.2   | 0.0    | 5115.2  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 29683.8  | 0.0    | 29683.8 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 34799.0  | 0.0    | 34799.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 404.7   | 1.2       |
| 10°-20°   | 1122.8  | 3.2       |
| 20°-30°   | 1955.0  | 5.6       |
| 30°-40°   | 3523.7  | 10.1      |
| 40°-50°   | 6988.7  | 20.1      |
| 50°-60°   | 9519.8  | 27.4      |
| 60°-70°   | 7598.6  | 21.8      |
| 70°-80°   | 3438.5  | 9.9       |
| 80°-90°   | 247.2   | 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°    | 34799.0 | 100.0     |
| 0°-180°   | 34799.0 | 100.0     |

**Coefficient of Utilization**



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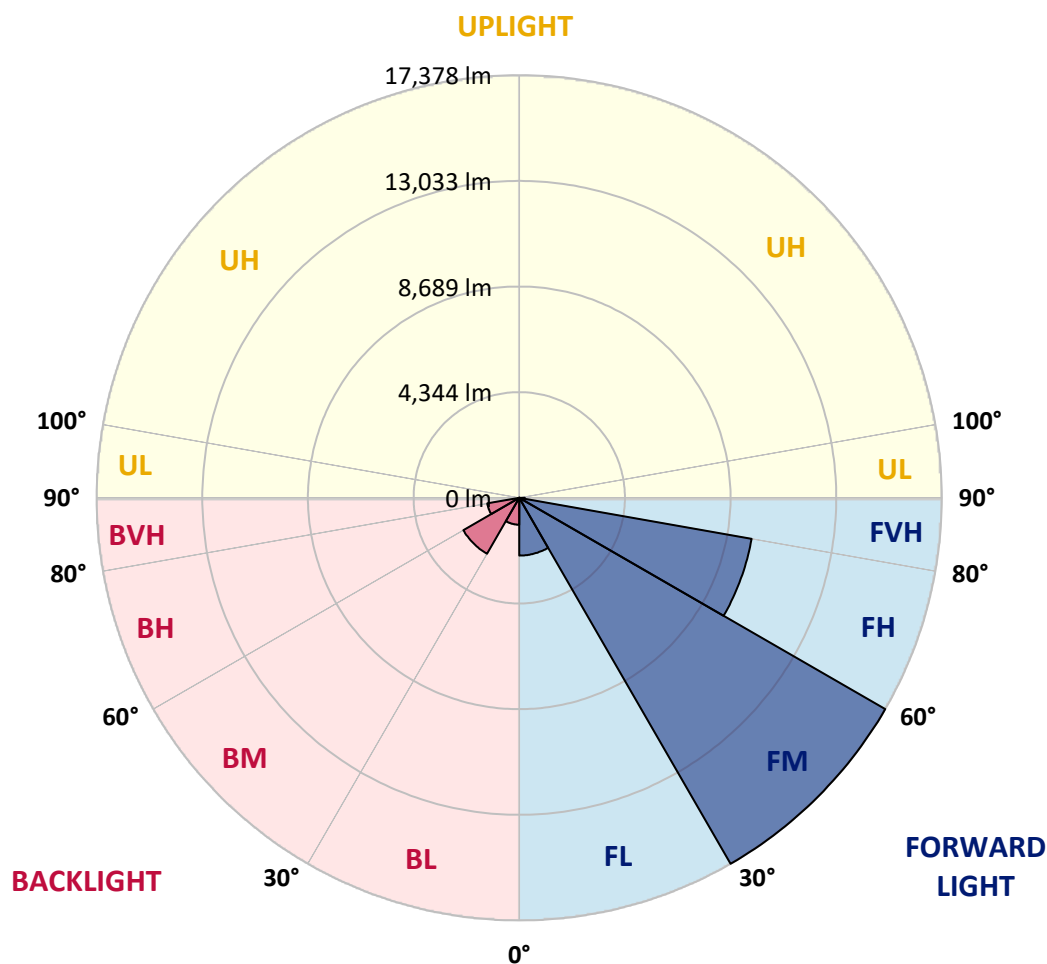
CATALOG NUMBER: GLAN-SB8B-735-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2375.5  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 17377.7 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 9701.8  | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 228.8   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1107.0  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2654.5  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1335.4  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 18.3    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  | 4294.9  |
| 2.5°  | 4395.4  | 4383.4  | 4400.2  | 4393.0  | 4388.2  | 4378.6  | 4373.9  | 4369.1  | 4359.5  | 4352.3  |
| 5°    | 4407.4  | 4400.2  | 4416.9  | 4431.3  | 4445.7  | 4460.0  | 4467.2  | 4476.8  | 4467.2  | 4448.1  |
| 7.5°  | 4306.8  | 4302.0  | 4337.9  | 4381.0  | 4445.7  | 4500.7  | 4560.6  | 4594.1  | 4596.5  | 4589.3  |
| 10°   | 4299.6  | 4287.7  | 4323.6  | 4376.3  | 4460.0  | 4558.2  | 4663.5  | 4735.4  | 4744.9  | 4776.1  |
| 12.5° | 4412.2  | 4400.2  | 4450.5  | 4507.9  | 4594.1  | 4697.0  | 4826.3  | 4926.9  | 4941.2  | 4984.3  |
| 15°   | 4601.3  | 4584.5  | 4642.0  | 4716.2  | 4826.3  | 4943.6  | 5080.1  | 5171.1  | 5183.0  | 5235.7  |
| 17.5° | 4821.5  | 4804.8  | 4871.8  | 4950.8  | 5070.5  | 5230.9  | 5388.9  | 5489.5  | 5503.8  | 5537.3  |
| 20°   | 5104.0  | 5082.5  | 5135.2  | 5207.0  | 5333.9  | 5525.4  | 5714.5  | 5858.1  | 5855.7  | 5855.7  |
| 22.5° | 5432.0  | 5398.5  | 5444.0  | 5501.4  | 5621.1  | 5853.4  | 6104.7  | 6274.7  | 6274.7  | 6207.7  |
| 25°   | 5783.9  | 5750.4  | 5800.7  | 5853.4  | 5958.7  | 6222.0  | 6516.5  | 6727.2  | 6736.7  | 6621.8  |
| 27.5° | 6224.4  | 6181.3  | 6219.6  | 6281.9  | 6344.1  | 6612.3  | 6961.8  | 7206.0  | 7210.8  | 7033.6  |
| 30°   | 7071.9  | 6949.8  | 6830.1  | 6763.1  | 6791.8  | 7057.5  | 7431.0  | 7701.5  | 7725.5  | 7481.3  |
| 32.5° | 8623.2  | 8599.3  | 8177.9  | 7627.3  | 7340.0  | 7536.3  | 7955.3  | 8280.9  | 8295.2  | 7981.6  |
| 35°   | 11034.0 | 11005.3 | 10327.8 | 9279.2  | 8343.1  | 8177.9  | 8592.1  | 8977.5  | 8968.0  | 8613.6  |
| 37.5° | 13911.6 | 13885.3 | 12992.3 | 11589.4 | 10074.0 | 9147.5  | 9413.2  | 9817.8  | 9877.7  | 9413.2  |
| 40°   | 16370.2 | 16272.1 | 15707.1 | 14354.5 | 12372.2 | 10756.3 | 10581.5 | 10849.7 | 10911.9 | 10361.3 |
| 42.5° | 18232.8 | 18149.0 | 17861.7 | 17016.6 | 15154.1 | 13135.9 | 11958.1 | 12061.0 | 12130.4 | 11469.7 |
| 45°   | 19197.6 | 19178.4 | 19293.3 | 19214.3 | 17988.6 | 16056.6 | 13926.0 | 13497.4 | 13523.8 | 12697.8 |
| 47.5° | 19334.0 | 19324.4 | 19848.7 | 20590.9 | 20425.7 | 19350.8 | 16451.6 | 15288.1 | 15194.8 | 14084.0 |
| 50°   | 18529.6 | 18510.5 | 19516.0 | 20906.9 | 22053.6 | 22118.3 | 19319.7 | 17306.3 | 17100.4 | 15518.0 |
| 52.5° | 15960.9 | 15956.1 | 17607.9 | 19923.0 | 22625.8 | 24541.0 | 22154.2 | 19523.2 | 19178.4 | 17035.8 |
| 55°   | 12281.3 | 12369.9 | 14263.5 | 16999.9 | 21582.0 | 25706.9 | 24699.0 | 21984.2 | 21455.1 | 18563.2 |
| 57.5° | 8699.8  | 8829.1  | 10701.2 | 13138.3 | 18345.3 | 25017.4 | 26420.3 | 24450.0 | 23880.3 | 20085.7 |
| 60°   | 4673.1  | 4788.0  | 6662.5  | 9571.3  | 13648.3 | 22446.2 | 27327.6 | 26590.3 | 26051.6 | 21531.7 |
| 62.5° | 2784.2  | 2822.5  | 3598.2  | 6178.9  | 9231.3  | 17148.3 | 26942.2 | 28220.6 | 27777.7 | 22745.5 |
| 65°   | 1999.0  | 2006.2  | 2396.4  | 3773.0  | 5604.4  | 10418.7 | 24239.4 | 29001.0 | 28864.6 | 23660.0 |
| 67.5° | 1683.0  | 1678.2  | 1841.0  | 2506.5  | 3818.4  | 5218.9  | 18577.5 | 27897.4 | 28476.8 | 24239.4 |
| 70°   | 1443.6  | 1450.8  | 1642.3  | 1836.2  | 2870.4  | 2954.2  | 9236.1  | 24289.6 | 25524.9 | 24392.6 |
| 72.5° | 1074.9  | 1098.9  | 1276.0  | 1673.4  | 2166.6  | 2032.5  | 3188.8  | 18010.1 | 20243.7 | 22982.5 |
| 75°   | 758.9   | 770.9   | 897.8   | 1407.7  | 1616.0  | 1479.5  | 1627.9  | 9310.3  | 12173.5 | 17619.9 |
| 77.5° | 584.1   | 605.7   | 679.9   | 983.9   | 1592.0  | 1039.0  | 995.9   | 3222.3  | 4950.8  | 10643.8 |
| 80°   | 316.0   | 354.3   | 490.8   | 711.0   | 1118.0  | 735.0   | 493.2   | 1283.2  | 1678.2  | 4977.1  |
| 82.5° | 162.8   | 181.9   | 342.3   | 512.3   | 636.8   | 641.6   | 244.2   | 533.9   | 691.9   | 1537.0  |
| 85°   | 64.6    | 79.0    | 229.8   | 282.5   | 328.0   | 316.0   | 110.1   | 215.5   | 249.0   | 426.1   |
| 87.5° | 14.4    | 23.9    | 83.8    | 64.6    | 62.2    | 67.0    | 26.3    | 50.3    | 47.9    | 50.3    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4294.9  | 0°    | 4294.9  | 4294.9  | 4294.9 | 4294.9 | 4294.9 | 4294.9 | 4294.9 | 4294.9 | 4294.9 | 4294.9 |
| 4323.6  | 2.5°  | 4321.2  | 4311.6  | 4285.3 | 4256.5 | 4223.0 | 4203.9 | 4191.9 | 4189.5 | 4172.8 | 4160.8 |
| 4419.3  | 5°    | 4393.0  | 4383.4  | 4333.2 | 4273.3 | 4208.7 | 4158.4 | 4110.5 | 4067.4 | 4005.2 | 3993.2 |
| 4558.2  | 7.5°  | 4536.6  | 4510.3  | 4428.9 | 4347.5 | 4225.4 | 4079.4 | 3902.2 | 3698.7 | 3516.8 | 3461.7 |
| 4742.5  | 10°   | 4713.8  | 4677.9  | 4575.0 | 4431.3 | 4160.8 | 3763.4 | 3334.9 | 2937.5 | 2621.4 | 2532.9 |
| 4960.4  | 12.5° | 4914.9  | 4883.8  | 4747.3 | 4481.6 | 3890.3 | 3169.7 | 2513.7 | 2020.5 | 1714.1 | 1637.5 |
| 5192.6  | 15°   | 5154.3  | 5108.8  | 4919.7 | 4405.0 | 3406.7 | 2408.4 | 1726.1 | 1434.0 | 1323.9 | 1309.5 |
| 5458.3  | 17.5° | 5408.1  | 5333.9  | 5072.9 | 4129.7 | 2755.5 | 1711.7 | 1333.5 | 1249.7 | 1201.8 | 1187.4 |
| 5726.5  | 20°   | 5640.3  | 5544.5  | 5163.9 | 3713.1 | 2058.8 | 1333.5 | 1194.6 | 1139.5 | 1096.5 | 1079.7 |
| 5994.6  | 22.5° | 5872.5  | 5736.0  | 5163.9 | 3145.7 | 1544.1 | 1182.6 | 1096.5 | 1046.2 | 995.9  | 974.4  |
| 6281.9  | 25°   | 6114.3  | 5932.4  | 5072.9 | 2513.7 | 1242.5 | 1084.5 | 1003.1 | 948.0  | 904.9  | 878.6  |
| 6554.8  | 27.5° | 6348.9  | 6097.5  | 4864.6 | 1915.2 | 1106.0 | 998.3  | 916.9  | 864.2  | 823.5  | 804.4  |
| 6851.7  | 30°   | 6571.6  | 6260.3  | 4572.6 | 1453.2 | 1017.5 | 914.5  | 837.9  | 792.4  | 751.7  | 732.6  |
| 7237.1  | 32.5° | 6873.2  | 6466.2  | 4261.3 | 1192.2 | 940.8  | 835.5  | 766.1  | 723.0  | 687.1  | 672.7  |
| 7737.4  | 35°   | 7292.2  | 6770.3  | 3993.2 | 1170.7 | 876.2  | 770.9  | 701.4  | 660.7  | 624.8  | 612.9  |
| 8383.8  | 37.5° | 7885.9  | 7261.0  | 3852.0 | 1314.3 | 823.5  | 713.4  | 648.8  | 605.7  | 572.2  | 562.6  |
| 9205.0  | 40°   | 8618.4  | 7926.6  | 3928.6 | 1458.0 | 787.6  | 663.1  | 600.9  | 557.8  | 529.1  | 517.1  |
| 10148.2 | 42.5° | 9487.5  | 8747.7  | 4352.3 | 1568.1 | 763.7  | 620.0  | 555.4  | 507.5  | 488.4  | 483.6  |
| 11218.3 | 45°   | 10485.8 | 9650.3  | 5001.1 | 1685.4 | 725.4  | 579.4  | 509.9  | 474.0  | 459.6  | 457.3  |
| 12381.8 | 47.5° | 11620.5 | 10641.4 | 5752.8 | 1831.4 | 687.1  | 541.0  | 474.0  | 450.1  | 438.1  | 433.3  |
| 13595.6 | 50°   | 12745.7 | 11639.7 | 6526.1 | 1912.8 | 656.0  | 505.1  | 445.3  | 426.1  | 416.6  | 414.2  |
| 14878.8 | 52.5° | 13923.6 | 12666.7 | 7150.9 | 1836.2 | 629.6  | 476.4  | 421.3  | 407.0  | 397.4  | 395.0  |
| 16061.4 | 55°   | 15046.4 | 13497.4 | 7258.6 | 1558.5 | 577.0  | 447.7  | 395.0  | 387.8  | 375.9  | 375.9  |
| 17260.8 | 57.5° | 16013.5 | 13914.0 | 6497.3 | 1144.3 | 524.3  | 404.6  | 368.7  | 361.5  | 351.9  | 349.5  |
| 18342.9 | 60°   | 16901.7 | 13794.3 | 5015.5 | 770.9  | 466.8  | 361.5  | 335.2  | 330.4  | 320.8  | 308.8  |
| 19283.8 | 62.5° | 17402.1 | 13267.6 | 3430.6 | 502.7  | 409.4  | 316.0  | 296.9  | 294.5  | 272.9  | 249.0  |
| 19980.4 | 65°   | 17591.2 | 12185.5 | 2140.2 | 366.3  | 342.3  | 270.5  | 256.2  | 251.4  | 220.2  | 193.9  |
| 20375.4 | 67.5° | 17426.0 | 10404.4 | 1079.7 | 289.7  | 270.5  | 225.0  | 210.7  | 210.7  | 189.1  | 165.2  |
| 20351.5 | 70°   | 16765.3 | 7799.7  | 454.9  | 232.2  | 208.3  | 172.4  | 172.4  | 181.9  | 160.4  | 134.1  |
| 19295.7 | 72.5° | 15331.2 | 5247.7  | 241.8  | 177.2  | 155.6  | 122.1  | 141.2  | 148.4  | 126.9  | 100.5  |
| 15793.3 | 75°   | 12187.9 | 3200.8  | 167.6  | 131.7  | 98.2   | 86.2   | 107.7  | 112.5  | 86.2   | 67.0   |
| 10828.1 | 77.5° | 8335.9  | 1838.6  | 112.5  | 83.8   | 62.2   | 50.3   | 74.2   | 69.4   | 45.5   | 31.1   |
| 4175.2  | 80°   | 3660.4  | 766.1   | 64.6   | 38.3   | 23.9   | 19.2   | 26.3   | 19.2   | 14.4   | 9.6    |
| 572.2   | 82.5° | 428.5   | 179.6   | 23.9   | 14.4   | 9.6    | 4.8    | 2.4    | 0.0    | 0.0    | 0.0    |
| 174.8   | 85°   | 88.6    | 21.5    | 12.0   | 4.8    | 2.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 31.1    | 87.5° | 16.8    | 4.8     | 2.4    | 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°   |
|--------|
| 4294.9 |
| 4172.8 |
| 3988.4 |
| 3435.4 |
| 2499.3 |
| 1616.0 |
| 1295.2 |
| 1180.2 |
| 1070.1 |
| 962.4  |
| 869.0  |
| 804.4  |
| 735.0  |
| 672.7  |
| 612.9  |
| 560.2  |
| 514.7  |
| 483.6  |
| 454.9  |
| 433.3  |
| 414.2  |
| 395.0  |
| 373.5  |
| 347.1  |
| 306.4  |
| 244.2  |
| 191.5  |
| 162.8  |
| 131.7  |
| 100.5  |
| 64.6   |
| 33.5   |
| 9.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |