

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: P853006

Luminaire Tested: **GLAN-SB8A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA 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: 26950 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

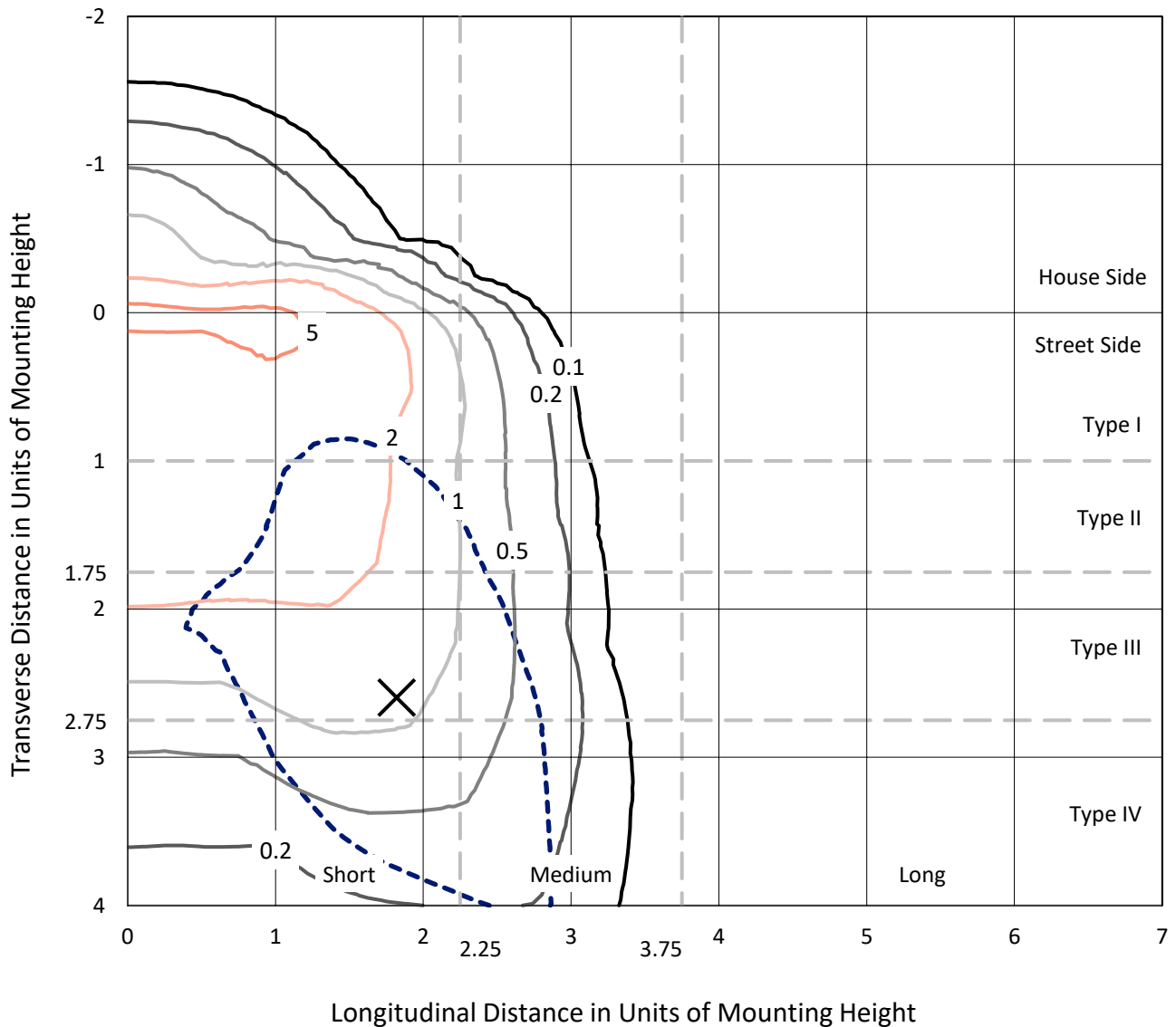
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

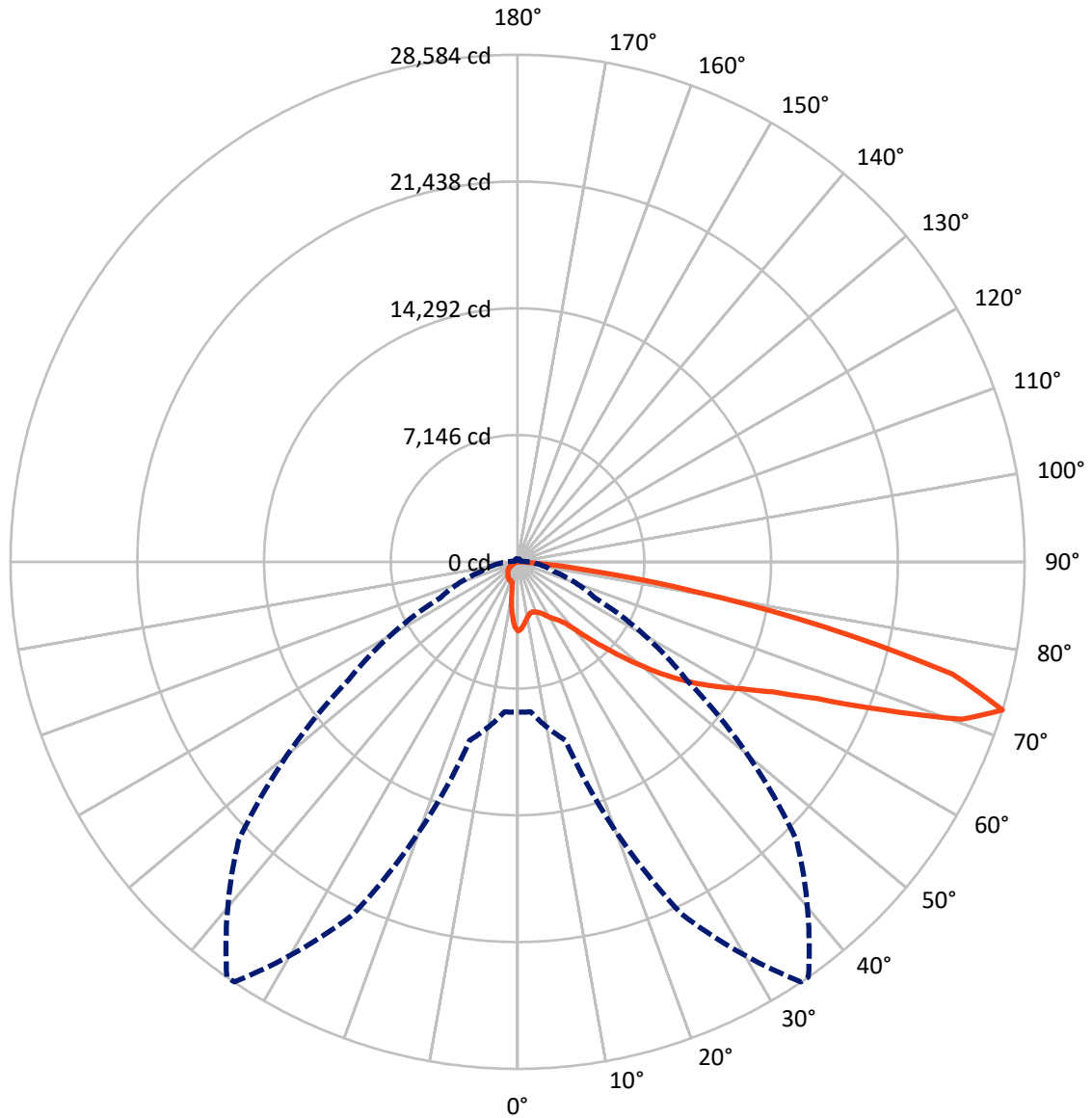
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3033.1   | 0.0    | 3033.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 23916.9  | 0.0    | 23916.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 26950.0  | 0.0    | 26950.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 321.0   | 1.2       |
| 10°-20°   | 750.9   | 2.8       |
| 20°-30°   | 1219.8  | 4.5       |
| 30°-40°   | 2035.1  | 7.6       |
| 40°-50°   | 3850.6  | 14.3      |
| 50°-60°   | 6118.5  | 22.7      |
| 60°-70°   | 7569.0  | 28.1      |
| 70°-80°   | 4705.0  | 17.5      |
| 80°-90°   | 380.2   | 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°    | 26950.0 | 100.0     |
| 0°-180°   | 26950.0 | 100.0     |

**Coefficient of Utilization**

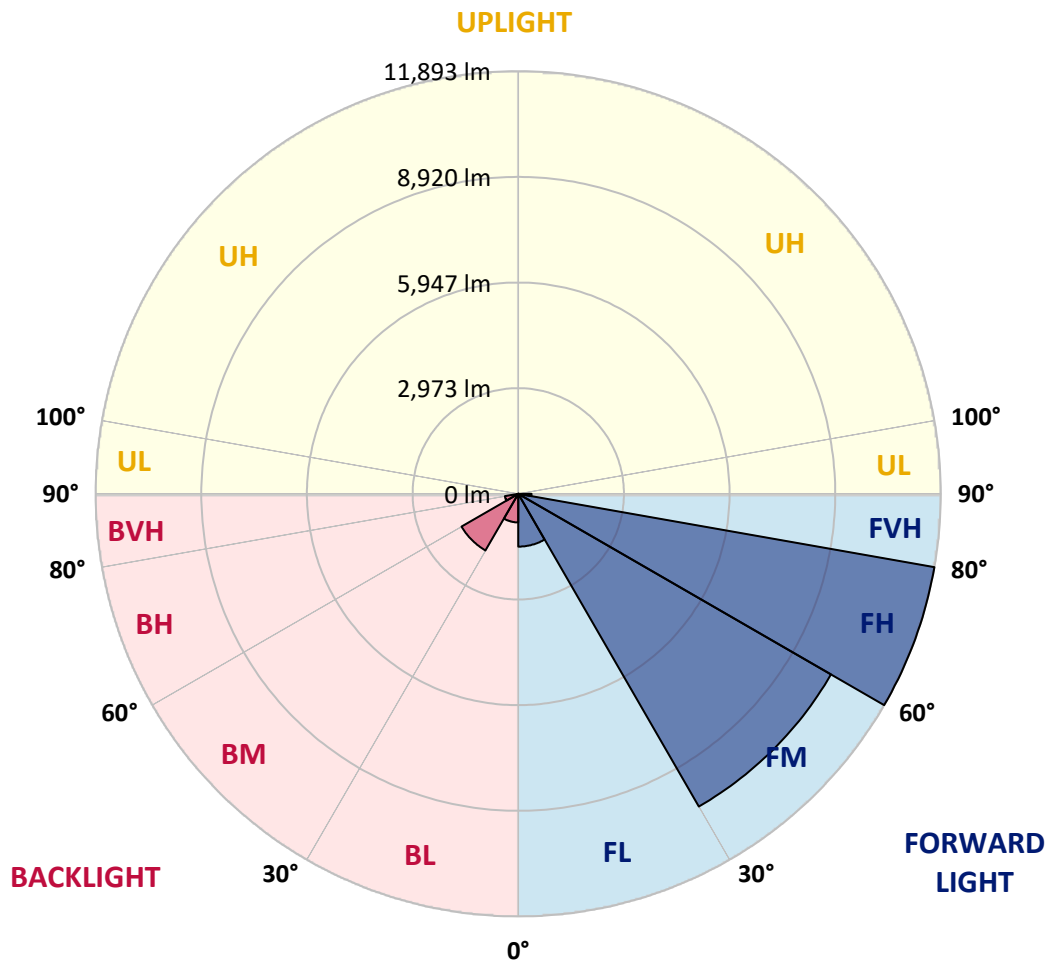


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 1485.6  | 5.5       |                         |      |          |
| FM (30°-60°)   | 10162.8 | 37.7      |                         |      |          |
| FH (60°-80°)   | 11893.4 | 44.1      |                         |      | G4/12000 |
| FVH (80°-90°)  | 375.1   | 1.4       |                         |      | G3/500   |
| BL (0°-30°)    | 806.0   | 3.0       | B2/1000                 |      |          |
| BM (30°-60°)   | 1841.4  | 6.8       | B2/2500                 |      |          |
| BH (60°-80°)   | 380.6   | 1.4       | B1/500                  |      | G1/500   |
| BVH (80°-90°)  | 5.2     | 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-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  | 3906.0  |
| 2.5°  | 3732.2  | 3763.8  | 3769.7  | 3779.6  | 3779.6  | 3791.4  | 3811.2  | 3838.8  | 3884.2  | 3907.9  |
| 5°    | 3439.9  | 3463.6  | 3493.2  | 3516.9  | 3562.4  | 3568.3  | 3645.3  | 3720.3  | 3825.0  | 3904.0  |
| 7.5°  | 3145.7  | 3173.3  | 3212.8  | 3270.1  | 3329.3  | 3347.1  | 3463.6  | 3590.0  | 3755.9  | 3904.0  |
| 10°   | 2938.4  | 2940.3  | 2975.9  | 3033.1  | 3127.9  | 3149.6  | 3291.8  | 3471.5  | 3678.9  | 3880.3  |
| 12.5° | 2821.8  | 2835.7  | 2851.5  | 2894.9  | 2985.7  | 2999.6  | 3151.6  | 3362.9  | 3601.9  | 3866.5  |
| 15°   | 2821.8  | 2831.7  | 2841.6  | 2863.3  | 2936.4  | 2948.2  | 3082.5  | 3293.8  | 3562.4  | 3872.4  |
| 17.5° | 2851.5  | 2867.3  | 2859.4  | 2885.0  | 2962.1  | 2970.0  | 3088.4  | 3274.1  | 3560.4  | 3909.9  |
| 20°   | 2922.6  | 2934.4  | 2918.6  | 2934.4  | 3011.4  | 3027.2  | 3149.6  | 3311.6  | 3594.0  | 3975.1  |
| 22.5° | 3035.1  | 3041.0  | 3003.5  | 3015.4  | 3094.4  | 3114.1  | 3256.3  | 3418.2  | 3674.9  | 4079.7  |
| 25°   | 3177.3  | 3189.1  | 3131.9  | 3145.7  | 3220.7  | 3244.4  | 3408.3  | 3578.2  | 3803.3  | 4223.9  |
| 27.5° | 3341.2  | 3347.1  | 3297.8  | 3295.8  | 3392.5  | 3426.1  | 3592.0  | 3775.6  | 3975.1  | 4405.6  |
| 30°   | 3528.8  | 3546.6  | 3499.2  | 3491.3  | 3613.7  | 3641.3  | 3805.2  | 4018.5  | 4227.8  | 4678.1  |
| 32.5° | 3676.9  | 3690.7  | 3663.1  | 3682.8  | 3807.2  | 3828.9  | 4063.9  | 4362.1  | 4624.7  | 5065.1  |
| 35°   | 3890.2  | 3898.1  | 3834.9  | 3870.4  | 4012.6  | 4067.9  | 4417.4  | 4843.9  | 5124.3  | 5550.9  |
| 37.5° | 4662.3  | 4662.3  | 4393.7  | 4218.0  | 4354.2  | 4403.6  | 4901.2  | 5450.2  | 5740.5  | 6202.5  |
| 40°   | 5730.6  | 5712.8  | 5319.8  | 4960.4  | 4942.7  | 5039.4  | 5590.4  | 6214.4  | 6536.3  | 6984.5  |
| 42.5° | 6870.0  | 6842.3  | 6307.2  | 5951.7  | 5892.5  | 5926.1  | 6386.2  | 7156.3  | 7484.1  | 7938.3  |
| 45°   | 7881.0  | 7873.1  | 7383.4  | 6905.5  | 6798.9  | 6905.5  | 7379.5  | 8258.2  | 8493.2  | 8971.1  |
| 47.5° | 8728.2  | 8728.2  | 8370.8  | 8058.8  | 8003.5  | 8066.7  | 8724.2  | 9480.5  | 9458.8  | 10071.0 |
| 50°   | 9703.7  | 9695.8  | 9356.1  | 9221.9  | 9279.1  | 9368.0  | 10272.4 | 10768.0 | 10458.0 | 11151.1 |
| 52.5° | 10386.9 | 10434.3 | 10317.8 | 10296.1 | 10588.3 | 10742.4 | 11844.3 | 12027.9 | 11352.6 | 12176.0 |
| 55°   | 10928.0 | 10983.3 | 11117.6 | 11269.6 | 11832.4 | 12033.8 | 13366.8 | 13222.6 | 12101.0 | 13064.6 |
| 57.5° | 11694.2 | 11615.2 | 11822.5 | 12122.7 | 13033.0 | 13275.9 | 14841.9 | 14350.2 | 12703.3 | 13785.4 |
| 60°   | 12624.3 | 12636.1 | 12671.7 | 13050.8 | 14231.7 | 14543.7 | 16295.2 | 15416.5 | 13090.3 | 14227.7 |
| 62.5° | 13741.9 | 13759.7 | 13832.8 | 14415.3 | 15841.1 | 16135.3 | 17843.4 | 16289.3 | 13268.0 | 14103.3 |
| 65°   | 13664.9 | 13740.0 | 14555.5 | 16548.0 | 18287.7 | 18578.0 | 19650.2 | 16901.5 | 12999.5 | 12965.9 |
| 67.5° | 12448.5 | 12570.9 | 13935.5 | 19095.4 | 21976.4 | 22300.3 | 21834.3 | 17021.9 | 11840.3 | 10082.8 |
| 70°   | 10853.0 | 10896.4 | 12537.4 | 21386.0 | 26247.7 | 26575.5 | 23789.2 | 15696.9 | 8984.9  | 5623.9  |
| 72.5° | 8475.4  | 8485.3  | 10410.6 | 21917.2 | 28566.0 | 28583.8 | 22254.9 | 11652.7 | 4832.1  | 2160.3  |
| 75°   | 6054.4  | 5995.2  | 6972.7  | 17774.3 | 25132.0 | 25333.4 | 16684.2 | 5466.0  | 1846.3  | 1020.9  |
| 77.5° | 3246.4  | 3311.6  | 3945.5  | 10541.0 | 17361.6 | 17705.2 | 9103.4  | 1575.8  | 940.0   | 695.1   |
| 80°   | 1003.1  | 1058.4  | 1617.3  | 4826.2  | 9834.0  | 10041.4 | 3374.8  | 701.0   | 655.6   | 495.6   |
| 82.5° | 316.0   | 327.8   | 754.3   | 2028.0  | 4081.7  | 4176.5  | 977.5   | 396.9   | 448.3   | 327.8   |
| 85°   | 90.8    | 92.8    | 335.7   | 756.3   | 1009.1  | 1028.8  | 274.5   | 154.0   | 256.7   | 203.4   |
| 87.5° | 9.9     | 31.6    | 126.4   | 126.4   | 88.9    | 86.9    | 29.6    | 33.6    | 73.1    | 25.7    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3906.0  | 0°    | 3906.0  | 3906.0 | 3906.0 | 3906.0 | 3906.0 | 3906.0 | 3906.0 | 3906.0 | 3906.0 | 3906.0 |
| 3923.7  | 2.5°  | 3913.9  | 3915.8 | 3890.2 | 3846.7 | 3799.3 | 3759.8 | 3710.5 | 3671.0 | 3643.3 | 3635.4 |
| 3959.3  | 5°    | 3941.5  | 3927.7 | 3854.6 | 3722.3 | 3564.3 | 3428.1 | 3276.0 | 3155.6 | 3076.6 | 3043.0 |
| 3996.8  | 7.5°  | 3983.0  | 3943.5 | 3783.5 | 3522.9 | 3220.7 | 2952.2 | 2679.7 | 2468.4 | 2334.1 | 2267.0 |
| 4032.3  | 10°   | 4018.5  | 3939.5 | 3665.0 | 3234.6 | 2772.5 | 2365.7 | 1998.4 | 1743.7 | 1601.5 | 1534.3 |
| 4073.8  | 12.5° | 4052.1  | 3937.6 | 3511.0 | 2892.9 | 2267.0 | 1769.3 | 1427.7 | 1301.3 | 1261.8 | 1248.0 |
| 4140.9  | 15°   | 4115.3  | 3943.5 | 3317.5 | 2501.9 | 1763.4 | 1336.9 | 1212.5 | 1210.5 | 1218.4 | 1214.4 |
| 4243.6  | 17.5° | 4202.2  | 3949.4 | 3098.3 | 2087.3 | 1360.6 | 1178.9 | 1173.0 | 1190.7 | 1202.6 | 1196.7 |
| 4372.0  | 20°   | 4314.7  | 3973.1 | 2865.3 | 1676.5 | 1169.0 | 1139.4 | 1153.2 | 1169.0 | 1178.9 | 1169.0 |
| 4543.8  | 22.5° | 4472.7  | 4014.6 | 2610.6 | 1346.7 | 1107.8 | 1115.7 | 1127.6 | 1145.3 | 1155.2 | 1141.4 |
| 4763.0  | 25°   | 4666.2  | 4079.7 | 2359.8 | 1171.0 | 1078.2 | 1088.1 | 1105.8 | 1125.6 | 1137.4 | 1123.6 |
| 5039.4  | 27.5° | 4917.0  | 4184.4 | 2128.7 | 1131.5 | 1048.6 | 1054.5 | 1080.2 | 1109.8 | 1125.6 | 1107.8 |
| 5432.4  | 30°   | 5280.4  | 4356.2 | 1929.3 | 1149.3 | 1030.8 | 1017.0 | 1052.5 | 1094.0 | 1111.8 | 1096.0 |
| 5967.5  | 32.5° | 5762.2  | 4599.1 | 1806.9 | 1176.9 | 1022.9 | 973.5  | 1007.1 | 1060.4 | 1090.0 | 1080.2 |
| 6666.6  | 35°   | 6394.1  | 4968.3 | 1759.5 | 1208.5 | 1017.0 | 928.1  | 951.8  | 1009.1 | 1060.4 | 1070.3 |
| 7547.3  | 37.5° | 7160.3  | 5481.8 | 1773.3 | 1222.3 | 999.2  | 890.6  | 902.4  | 951.8  | 1018.9 | 1050.5 |
| 8538.6  | 40°   | 8031.1  | 6080.1 | 1852.3 | 1208.5 | 979.5  | 859.0  | 861.0  | 898.5  | 957.7  | 1005.1 |
| 9604.9  | 42.5° | 8929.6  | 6779.1 | 1998.4 | 1157.2 | 961.7  | 831.3  | 825.4  | 851.1  | 890.6  | 924.2  |
| 10669.3 | 45°   | 9784.6  | 7497.9 | 2142.6 | 1086.1 | 940.0  | 803.7  | 789.9  | 799.8  | 807.7  | 821.5  |
| 11706.0 | 47.5° | 10531.1 | 8003.5 | 2101.1 | 1020.9 | 910.3  | 772.1  | 748.4  | 744.5  | 720.8  | 718.8  |
| 12632.2 | 50°   | 11046.5 | 8114.0 | 1866.1 | 955.8  | 866.9  | 736.6  | 699.0  | 675.3  | 633.9  | 614.1  |
| 13325.3 | 52.5° | 11210.4 | 7677.6 | 1524.5 | 890.6  | 795.8  | 689.2  | 635.9  | 598.3  | 547.0  | 529.2  |
| 13724.2 | 55°   | 10993.2 | 6822.6 | 1218.4 | 811.6  | 697.1  | 626.0  | 566.7  | 517.4  | 475.9  | 454.2  |
| 13767.6 | 57.5° | 10462.0 | 5734.5 | 963.7  | 718.8  | 592.4  | 554.9  | 495.6  | 446.3  | 410.7  | 389.0  |
| 13285.8 | 60°   | 9581.2  | 4553.7 | 762.2  | 608.2  | 505.5  | 477.9  | 416.7  | 385.1  | 353.5  | 327.8  |
| 12041.7 | 62.5° | 8244.4  | 3250.4 | 598.3  | 481.8  | 422.6  | 391.0  | 355.4  | 331.7  | 294.2  | 258.7  |
| 9804.4  | 65°   | 6433.6  | 1988.5 | 462.1  | 353.5  | 339.6  | 323.9  | 302.1  | 280.4  | 235.0  | 199.4  |
| 6396.1  | 67.5° | 4058.0  | 941.9  | 329.8  | 266.6  | 268.6  | 260.7  | 250.8  | 233.0  | 199.4  | 167.8  |
| 2865.3  | 70°   | 1787.1  | 456.2  | 217.2  | 203.4  | 199.4  | 199.4  | 207.3  | 201.4  | 169.8  | 140.2  |
| 995.2   | 72.5° | 608.2   | 244.9  | 161.9  | 154.0  | 144.2  | 142.2  | 173.8  | 167.8  | 136.3  | 108.6  |
| 495.6   | 75°   | 317.9   | 163.9  | 118.5  | 110.6  | 86.9   | 104.7  | 138.2  | 130.3  | 96.8   | 71.1   |
| 327.8   | 77.5° | 207.3   | 116.5  | 81.0   | 71.1   | 49.4   | 69.1   | 102.7  | 90.8   | 57.3   | 35.5   |
| 215.2   | 80°   | 130.3   | 77.0   | 47.4   | 33.6   | 23.7   | 37.5   | 55.3   | 39.5   | 21.7   | 7.9    |
| 126.4   | 82.5° | 69.1    | 39.5   | 17.8   | 11.8   | 9.9    | 11.8   | 13.8   | 9.9    | 3.9    | 0.0    |
| 65.2    | 85°   | 27.6    | 13.8   | 5.9    | 3.9    | 2.0    | 0.0    | 3.9    | 2.0    | 0.0    | 0.0    |
| 11.8    | 87.5° | 9.9     | 2.0    | 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°   |
|--------|
| 3906.0 |
| 3649.2 |
| 3054.9 |
| 2276.8 |
| 1536.3 |
| 1244.1 |
| 1212.5 |
| 1194.7 |
| 1167.0 |
| 1139.4 |
| 1121.6 |
| 1107.8 |
| 1094.0 |
| 1080.2 |
| 1070.3 |
| 1058.4 |
| 1020.9 |
| 938.0  |
| 829.4  |
| 716.8  |
| 616.1  |
| 527.2  |
| 454.2  |
| 385.1  |
| 321.9  |
| 252.8  |
| 193.5  |
| 163.9  |
| 134.3  |
| 102.7  |
| 65.2   |
| 31.6   |
| 5.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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