

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: P955451

Luminaire Tested: **GLAN-SB8B-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955451  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28087 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - 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

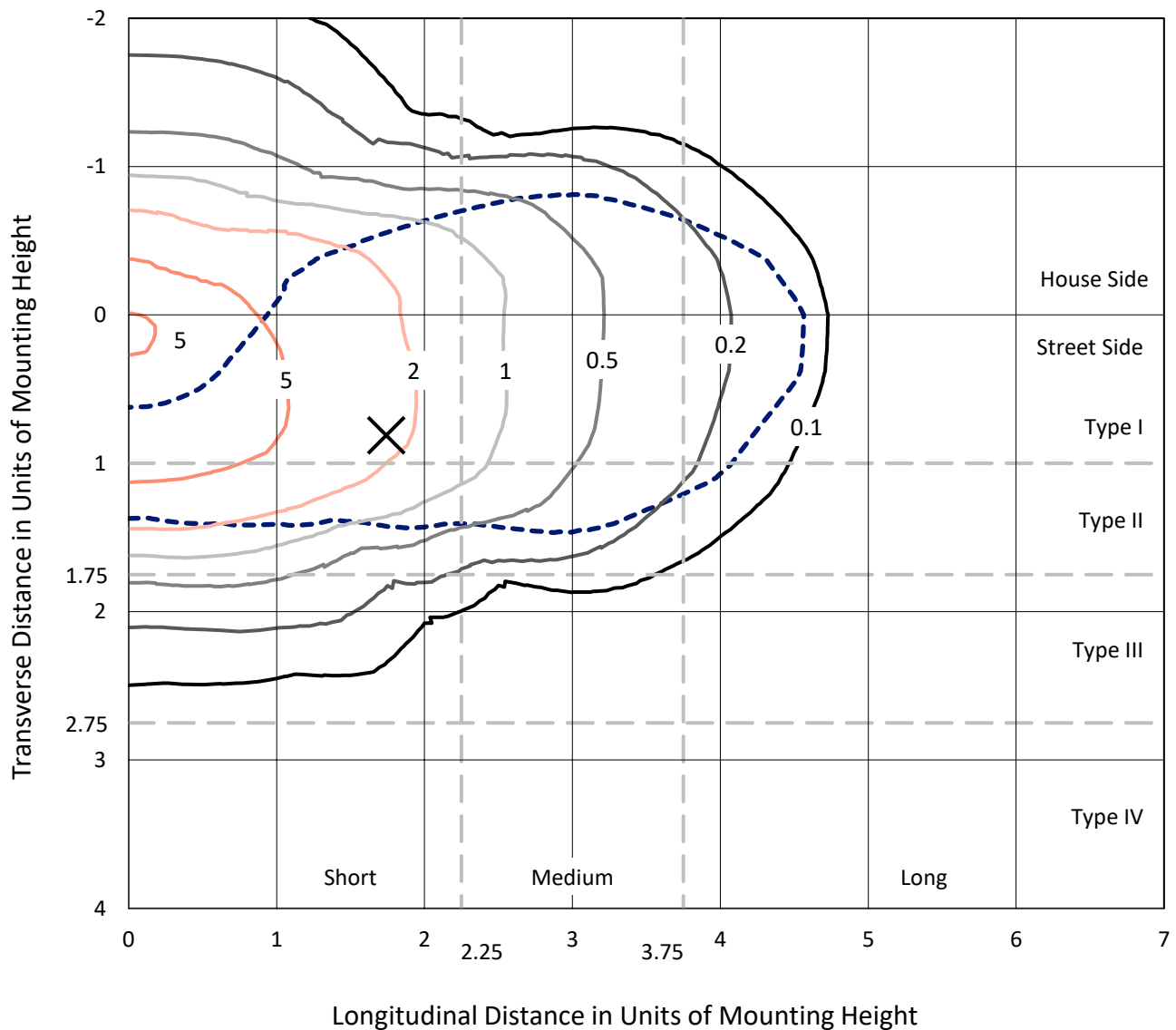


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## Iso-Footcandle Lines of Horizontal Illumination

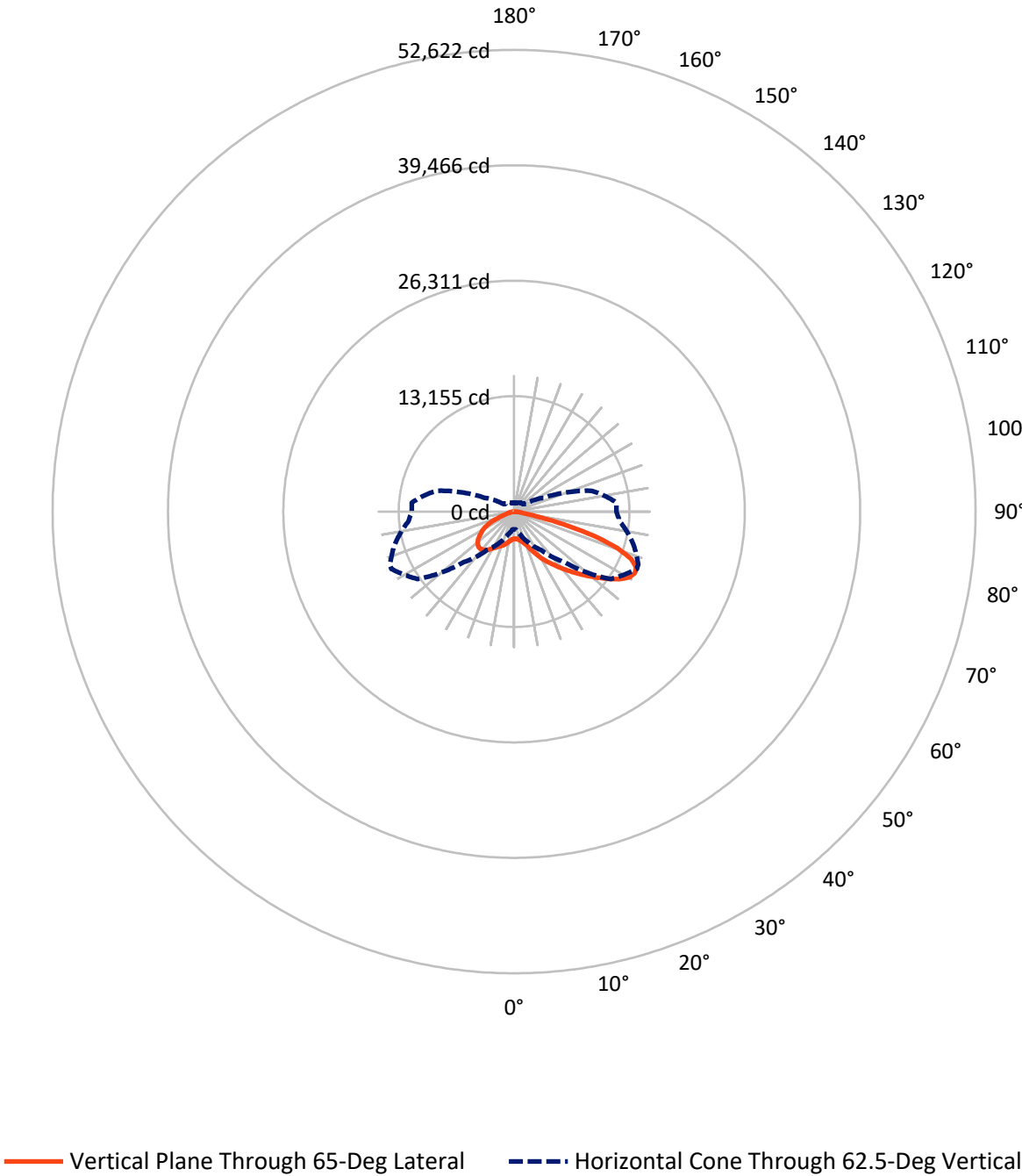
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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    | 8863.0   | 0.0    | 8863.0  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 19224.0  | 0.0    | 19224.0 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 28087.0  | 0.0    | 28087.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 308.6   | 1.1       |
| 10°-20°   | 1046.4  | 3.7       |
| 20°-30°   | 2121.7  | 7.6       |
| 30°-40°   | 3671.6  | 13.1      |
| 40°-50°   | 5556.2  | 19.8      |
| 50°-60°   | 6514.3  | 23.2      |
| 60°-70°   | 5461.5  | 19.4      |
| 70°-80°   | 3015.2  | 10.7      |
| 80°-90°   | 391.7   | 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°    | 28087.0 | 100.0     |
| 0°-180°   | 28087.0 | 100.0     |

**Coefficient of Utilization**



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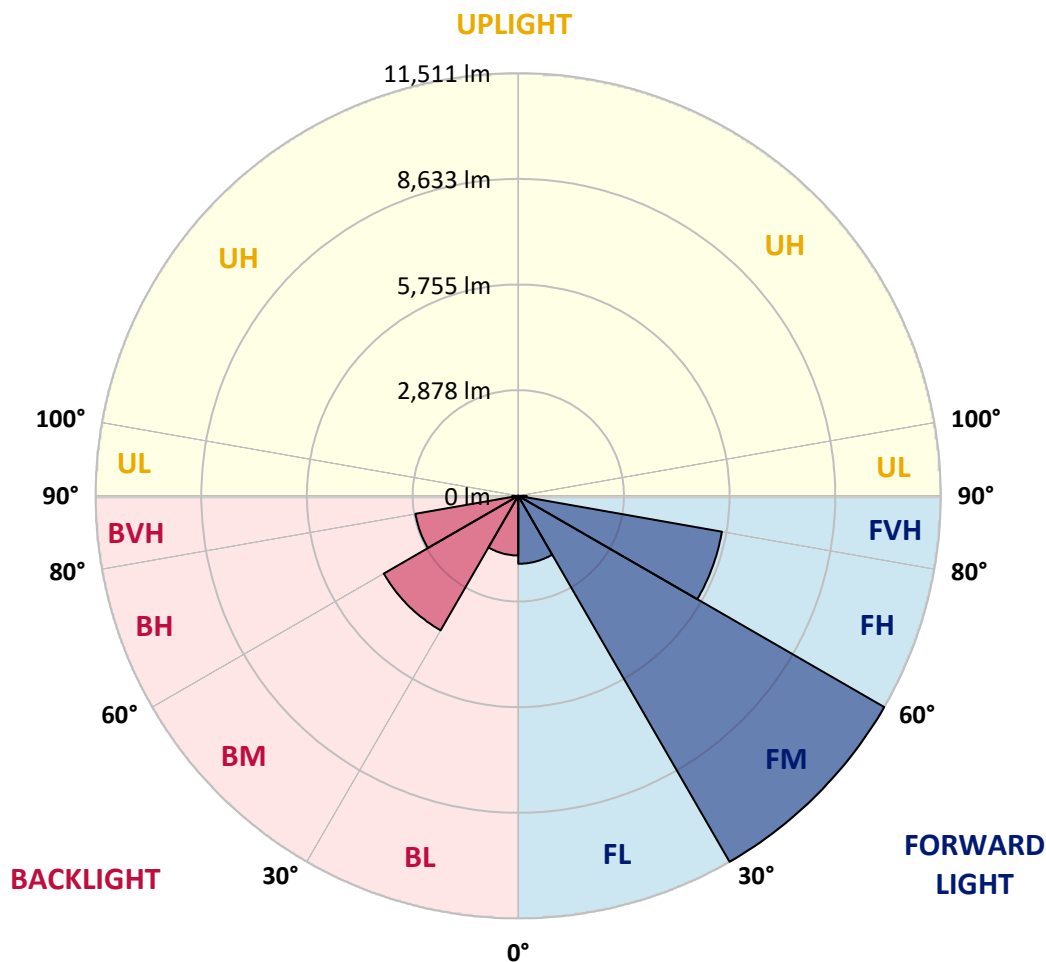
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1851.3  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 11511.0 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 5633.4  | 20.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 228.3   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1625.4  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4231.1  | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2843.2  | 10.1      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 163.4   | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  | 3095.1  |
| 2.5°  | 3074.7  | 3065.9  | 3073.2  | 3073.2  | 3076.1  | 3074.7  | 3084.9  | 3087.8  | 3092.2  | 3100.9  |
| 5°    | 3044.1  | 3042.6  | 3055.7  | 3067.4  | 3079.0  | 3089.2  | 3102.4  | 3121.3  | 3124.2  | 3134.4  |
| 7.5°  | 3033.9  | 3025.1  | 3045.5  | 3060.1  | 3087.8  | 3112.6  | 3147.5  | 3179.6  | 3192.7  | 3197.1  |
| 10°   | 3112.6  | 3098.0  | 3116.9  | 3125.7  | 3149.0  | 3173.8  | 3214.6  | 3265.6  | 3280.1  | 3297.6  |
| 12.5° | 3246.6  | 3230.6  | 3258.3  | 3271.4  | 3293.2  | 3315.1  | 3342.8  | 3392.3  | 3399.6  | 3431.7  |
| 15°   | 3430.2  | 3411.3  | 3428.8  | 3444.8  | 3481.2  | 3501.6  | 3529.3  | 3577.4  | 3577.4  | 3602.2  |
| 17.5° | 3679.4  | 3654.6  | 3667.7  | 3673.6  | 3696.9  | 3727.5  | 3774.1  | 3816.4  | 3838.2  | 3829.5  |
| 20°   | 4051.0  | 4020.4  | 4020.4  | 3991.2  | 3982.5  | 4007.3  | 4068.5  | 4126.8  | 4150.1  | 4104.9  |
| 22.5° | 4609.1  | 4565.4  | 4540.6  | 4441.5  | 4402.2  | 4405.1  | 4466.3  | 4537.7  | 4556.6  | 4476.5  |
| 25°   | 5318.7  | 5250.2  | 5216.7  | 5071.0  | 4982.1  | 4904.9  | 4953.0  | 5044.8  | 5071.0  | 4971.9  |
| 27.5° | 6028.4  | 6032.8  | 6000.7  | 5825.8  | 5678.7  | 5537.3  | 5512.5  | 5608.7  | 5636.4  | 5524.2  |
| 30°   | 7023.6  | 6920.2  | 6859.0  | 6649.1  | 6439.3  | 6241.1  | 6139.1  | 6178.5  | 6185.8  | 6051.7  |
| 32.5° | 7881.9  | 7855.7  | 7724.5  | 7540.9  | 7271.4  | 6961.0  | 6790.5  | 6727.8  | 6716.2  | 6525.3  |
| 35°   | 8859.7  | 8845.1  | 8706.7  | 8488.1  | 8196.7  | 7765.4  | 7457.9  | 7278.7  | 7264.1  | 6996.0  |
| 37.5° | 9853.5  | 9853.5  | 9718.0  | 9479.0  | 9177.4  | 8638.2  | 8170.4  | 7886.3  | 7839.7  | 7489.9  |
| 40°   | 10646.2 | 10598.1 | 10622.9 | 10522.3 | 10177.0 | 9604.3  | 8961.7  | 8549.3  | 8486.7  | 8067.0  |
| 42.5° | 11096.5 | 11080.5 | 11229.1 | 11341.3 | 11199.9 | 10742.4 | 9833.1  | 9267.7  | 9180.3  | 8702.3  |
| 45°   | 11197.0 | 11179.5 | 11444.7 | 11855.7 | 12053.9 | 11865.9 | 10780.3 | 10024.0 | 9917.6  | 9366.8  |
| 47.5° | 10965.3 | 10930.4 | 11319.4 | 11967.9 | 12603.2 | 12934.0 | 11806.1 | 10844.4 | 10689.9 | 10013.8 |
| 50°   | 10268.8 | 10235.3 | 10824.0 | 11685.2 | 12788.3 | 13659.7 | 12919.4 | 11714.3 | 11478.3 | 10707.4 |
| 52.5° | 8754.8  | 8770.8  | 9693.2  | 10876.4 | 12544.9 | 14111.4 | 13878.3 | 12630.9 | 12346.7 | 11417.1 |
| 55°   | 6819.6  | 6854.6  | 7988.3  | 9291.0  | 11571.5 | 14042.9 | 14532.5 | 13575.2 | 13292.5 | 12084.5 |
| 57.5° | 4883.0  | 5037.5  | 6099.8  | 7389.4  | 9702.0  | 12957.3 | 14675.3 | 14472.8 | 14198.8 | 12813.0 |
| 60°   | 3165.0  | 3192.7  | 4285.6  | 5585.4  | 7387.9  | 11028.0 | 14385.4 | 15153.3 | 14939.1 | 13556.2 |
| 62.5° | 2028.4  | 2047.3  | 2713.3  | 3906.7  | 5317.3  | 8158.8  | 13409.0 | 15449.1 | 15383.5 | 14047.3 |
| 65°   | 1490.7  | 1476.1  | 1822.9  | 2582.1  | 3581.8  | 5031.7  | 11513.2 | 15306.3 | 15436.0 | 14354.8 |
| 67.5° | 1244.4  | 1224.0  | 1394.5  | 1788.0  | 2639.0  | 2857.5  | 8518.7  | 14378.1 | 14853.1 | 14319.8 |
| 70°   | 1133.7  | 1116.2  | 1219.7  | 1327.5  | 2059.0  | 1913.3  | 4294.3  | 12499.8 | 13231.3 | 13922.0 |
| 72.5° | 960.3   | 929.7   | 1071.0  | 1178.9  | 1601.4  | 1467.4  | 1774.9  | 9601.4  | 10493.2 | 12646.9 |
| 75°   | 744.6   | 724.2   | 845.2   | 1037.5  | 1203.6  | 1145.3  | 1122.0  | 5830.2  | 6803.6  | 9780.6  |
| 77.5° | 590.2   | 562.5   | 673.2   | 808.7   | 1082.7  | 864.1   | 817.5   | 2510.7  | 3475.4  | 6244.0  |
| 80°   | 444.4   | 419.7   | 511.5   | 639.7   | 832.1   | 651.4   | 529.0   | 1024.4  | 1310.0  | 3163.6  |
| 82.5° | 316.2   | 294.4   | 357.0   | 469.2   | 559.6   | 584.3   | 325.0   | 574.1   | 645.5   | 1219.7  |
| 85°   | 202.5   | 189.4   | 239.0   | 294.4   | 355.6   | 376.0   | 198.2   | 300.2   | 329.3   | 502.7   |
| 87.5° | 110.7   | 90.3    | 128.2   | 137.0   | 164.7   | 150.1   | 94.7    | 109.3   | 118.0   | 182.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3095.1  | 0°    | 3095.1  | 3095.1  | 3095.1 | 3095.1 | 3095.1 | 3095.1 | 3095.1 | 3095.1 | 3095.1 | 3095.1 |
| 3100.9  | 2.5°  | 3106.7  | 3111.1  | 3125.7 | 3130.0 | 3140.2 | 3153.4 | 3162.1 | 3170.8 | 3170.8 | 3179.6 |
| 3147.5  | 5°    | 3149.0  | 3159.2  | 3189.8 | 3205.8 | 3232.0 | 3258.3 | 3274.3 | 3293.2 | 3304.9 | 3310.7 |
| 3221.8  | 7.5°  | 3230.6  | 3246.6  | 3290.3 | 3318.0 | 3363.2 | 3399.6 | 3424.4 | 3450.6 | 3456.4 | 3472.5 |
| 3325.3  | 10°   | 3341.3  | 3360.3  | 3409.8 | 3462.3 | 3516.2 | 3561.4 | 3584.7 | 3603.6 | 3610.9 | 3613.8 |
| 3457.9  | 12.5° | 3468.1  | 3495.8  | 3559.9 | 3624.0 | 3680.9 | 3720.2 | 3726.0 | 3721.7 | 3701.3 | 3683.8 |
| 3621.1  | 15°   | 3624.0  | 3648.8  | 3720.2 | 3790.1 | 3845.5 | 3852.8 | 3816.4 | 3793.1 | 3768.3 | 3763.9 |
| 3803.3  | 17.5° | 3810.5  | 3823.7  | 3889.2 | 3957.7 | 3962.1 | 3937.3 | 3883.4 | 3861.5 | 3838.2 | 3822.2 |
| 4040.8  | 20°   | 4027.7  | 4023.3  | 4069.9 | 4099.1 | 4068.5 | 3992.7 | 3911.1 | 3874.7 | 3851.3 | 3832.4 |
| 4332.2  | 22.5° | 4287.0  | 4253.5  | 4247.7 | 4240.4 | 4158.8 | 4000.0 | 3889.2 | 3842.6 | 3806.2 | 3779.9 |
| 4738.8  | 25°   | 4664.5  | 4536.2  | 4447.3 | 4397.8 | 4214.2 | 3960.6 | 3819.3 | 3715.8 | 3647.3 | 3602.2 |
| 5235.7  | 27.5° | 5136.6  | 4920.9  | 4696.5 | 4575.6 | 4214.2 | 3880.5 | 3650.3 | 3482.7 | 3370.5 | 3323.8 |
| 5716.5  | 30°   | 5586.9  | 5361.0  | 5030.2 | 4789.8 | 4204.0 | 3749.3 | 3377.8 | 3144.6 | 3013.5 | 2966.8 |
| 6127.5  | 32.5° | 5971.6  | 5725.3  | 5384.3 | 5024.4 | 4179.2 | 3536.6 | 3039.7 | 2781.8 | 2655.0 | 2599.6 |
| 6534.0  | 35°   | 6328.6  | 6066.3  | 5739.9 | 5282.3 | 4113.6 | 3224.8 | 2668.1 | 2471.4 | 2330.0 | 2241.2 |
| 6947.9  | 37.5° | 6694.3  | 6382.5  | 6076.5 | 5515.5 | 3995.6 | 2860.5 | 2382.5 | 2214.9 | 2048.8 | 1929.3 |
| 7387.9  | 40°   | 7092.1  | 6719.1  | 6436.4 | 5653.9 | 3801.8 | 2513.6 | 2161.0 | 2008.0 | 1831.7 | 1704.9 |
| 7895.0  | 42.5° | 7557.0  | 7122.7  | 6837.1 | 5725.3 | 3536.6 | 2267.4 | 2016.7 | 1866.7 | 1700.5 | 1597.1 |
| 8438.6  | 45°   | 8042.2  | 7567.2  | 7202.9 | 5723.8 | 3240.8 | 2152.3 | 1970.1 | 1821.5 | 1637.9 | 1530.0 |
| 8996.7  | 47.5° | 8550.8  | 8032.0  | 7519.1 | 5630.6 | 2984.3 | 2168.3 | 1943.9 | 1723.9 | 1521.3 | 1416.4 |
| 9560.6  | 50°   | 9060.8  | 8540.6  | 7825.1 | 5455.7 | 2875.0 | 2133.3 | 1846.3 | 1586.9 | 1347.9 | 1253.2 |
| 10089.6 | 52.5° | 9566.4  | 9081.2  | 8088.8 | 5206.5 | 2764.3 | 2003.6 | 1720.9 | 1409.1 | 1276.5 | 1210.9 |
| 10636.0 | 55°   | 10075.0 | 9616.0  | 8375.9 | 4843.7 | 2487.4 | 1852.1 | 1511.1 | 1342.1 | 1219.7 | 1159.9 |
| 11170.8 | 57.5° | 10585.0 | 10233.8 | 8648.4 | 4480.9 | 2139.2 | 1665.6 | 1396.0 | 1260.5 | 1162.8 | 1111.8 |
| 11618.2 | 60°   | 11115.4 | 10940.6 | 8929.6 | 4147.2 | 1795.3 | 1426.6 | 1311.5 | 1194.9 | 1095.8 | 1039.0 |
| 12048.0 | 62.5° | 11661.9 | 11718.7 | 9149.7 | 3717.3 | 1479.0 | 1280.9 | 1235.7 | 1116.2 | 1020.0 | 966.1  |
| 12403.6 | 65°   | 12212.7 | 12469.2 | 9293.9 | 3121.3 | 1199.3 | 1142.4 | 1154.1 | 1030.2 | 932.6  | 886.0  |
| 12664.4 | 67.5° | 12628.0 | 13009.8 | 9253.1 | 2362.1 | 983.6  | 1011.3 | 1052.1 | 939.9  | 848.1  | 811.7  |
| 12622.2 | 70°   | 12674.6 | 12945.7 | 8851.0 | 1617.5 | 823.3  | 883.1  | 938.4  | 851.0  | 756.3  | 730.1  |
| 12027.6 | 72.5° | 12053.9 | 12071.3 | 7730.4 | 1056.5 | 696.5  | 775.2  | 818.9  | 760.7  | 668.8  | 642.6  |
| 10522.3 | 75°   | 10426.2 | 9983.2  | 5675.7 | 696.5  | 582.9  | 665.9  | 706.7  | 665.9  | 577.0  | 582.9  |
| 7873.2  | 77.5° | 7899.4  | 7070.3  | 3446.2 | 495.4  | 486.7  | 559.6  | 614.9  | 585.8  | 510.0  | 572.7  |
| 3959.2  | 80°   | 4069.9  | 3825.1  | 1537.3 | 370.1  | 384.7  | 447.4  | 505.6  | 467.8  | 403.6  | 384.7  |
| 884.5   | 82.5° | 932.6   | 1084.1  | 606.2  | 265.2  | 278.3  | 322.0  | 386.2  | 351.2  | 290.0  | 244.8  |
| 368.7   | 85°   | 326.4   | 357.0   | 268.1  | 166.1  | 163.2  | 201.1  | 262.3  | 234.6  | 196.7  | 157.4  |
| 155.9   | 87.5° | 103.5   | 135.5   | 100.5  | 67.0   | 69.9   | 90.3   | 120.9  | 110.7  | 91.8   | 59.7   |
| 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°   |
|--------|
| 3095.1 |
| 3179.6 |
| 3313.6 |
| 3466.6 |
| 3606.5 |
| 3683.8 |
| 3763.9 |
| 3823.7 |
| 3833.9 |
| 3788.7 |
| 3619.7 |
| 3347.2 |
| 2994.5 |
| 2627.3 |
| 2270.3 |
| 1961.4 |
| 1729.7 |
| 1617.5 |
| 1547.5 |
| 1431.0 |
| 1259.0 |
| 1210.9 |
| 1154.1 |
| 1103.1 |
| 1034.6 |
| 964.7  |
| 884.5  |
| 813.1  |
| 731.5  |
| 641.2  |
| 562.5  |
| 504.2  |
| 351.2  |
| 241.9  |
| 166.1  |
| 62.7   |
| 0.0    |