

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: P943526

Luminaire Tested: **GLAN-SB8A-750-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-750-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30097 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - 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

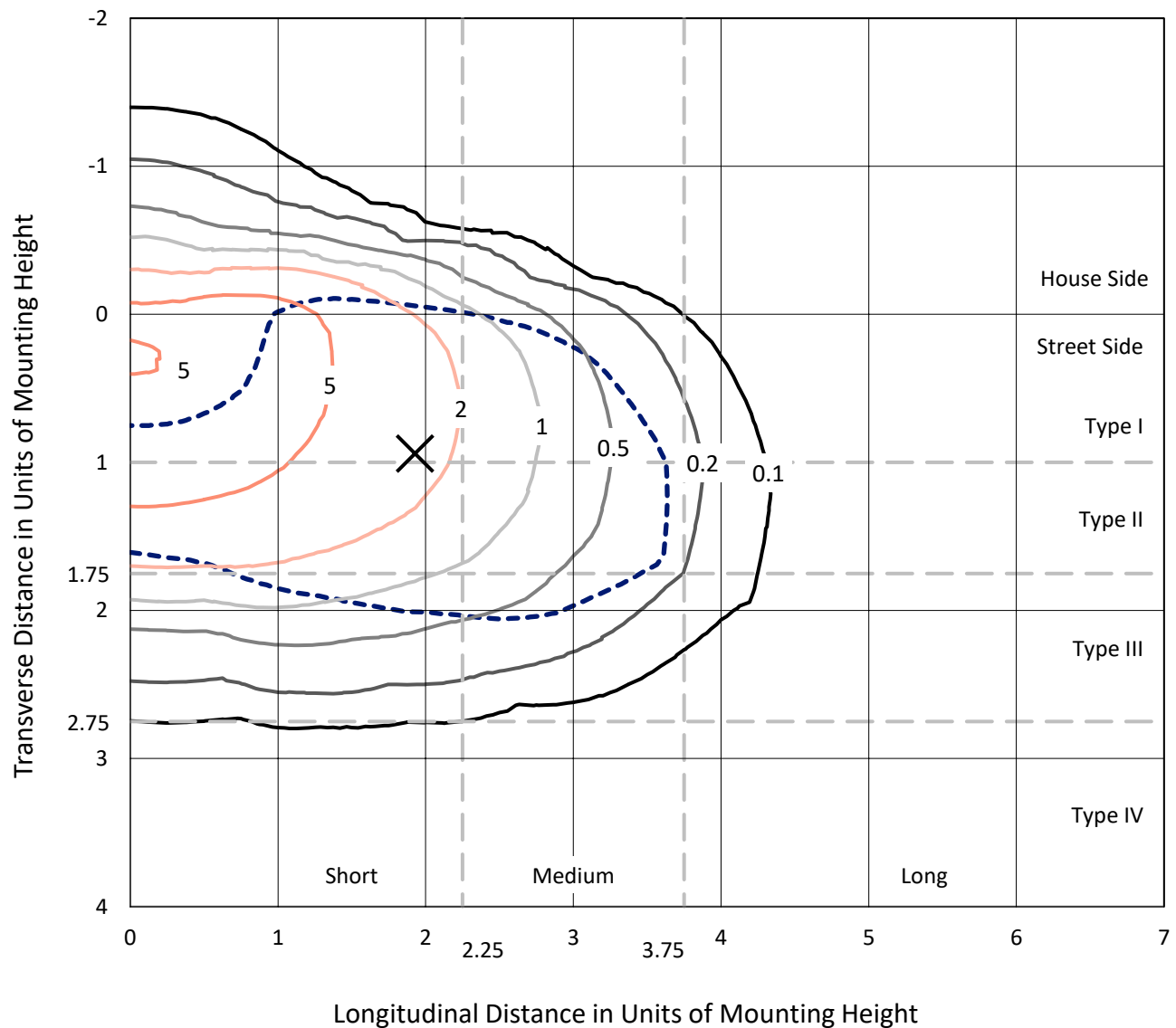


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## Iso-Footcandle Lines of Horizontal Illumination

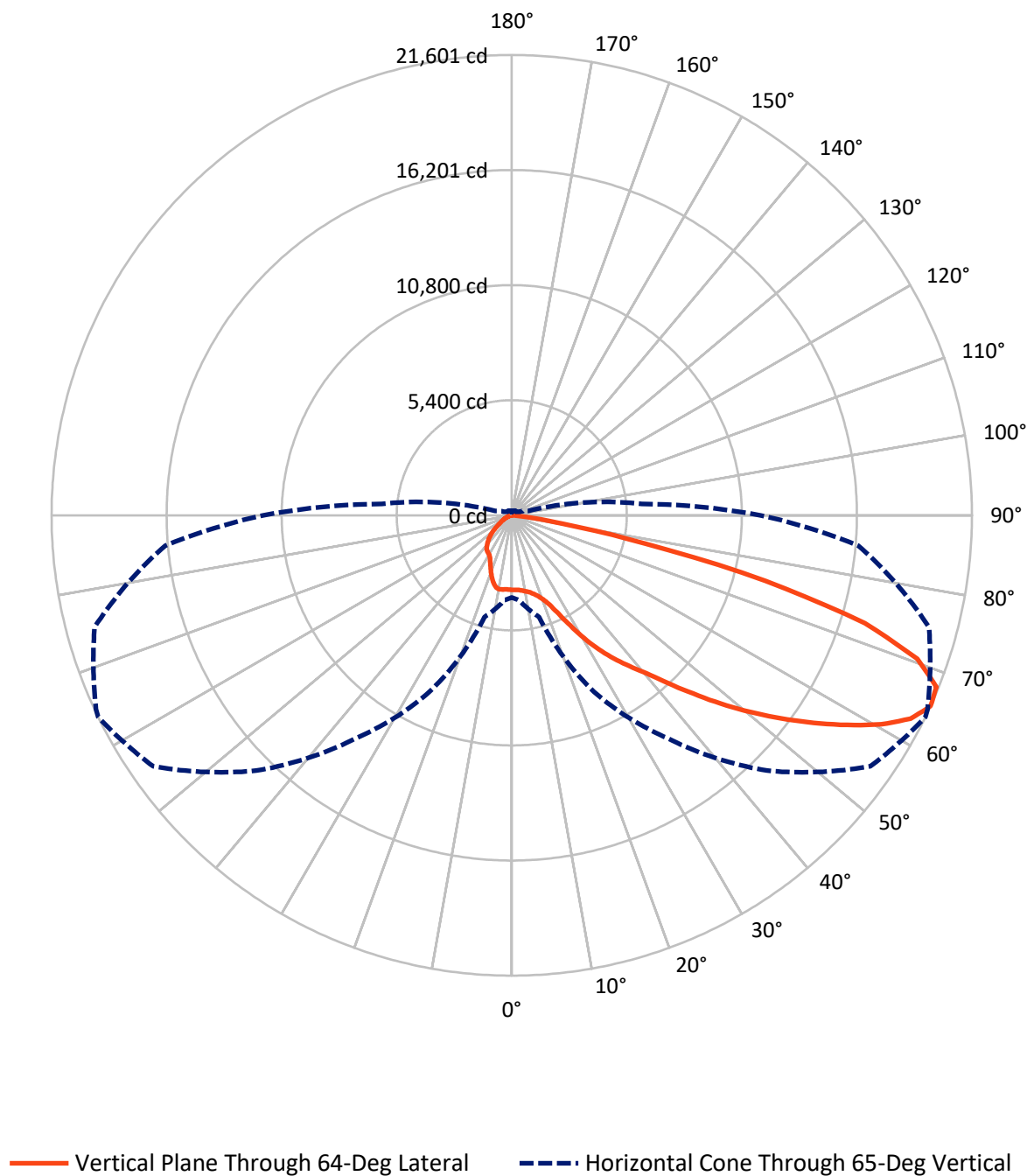
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
Type III - 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    | 4024.9   | 0.0    | 4024.9  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 26072.1  | 0.0    | 26072.1 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 30097.0  | 0.0    | 30097.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 323.0   | 1.1       |
| 10°-20°   | 876.0   | 2.9       |
| 20°-30°   | 1659.9  | 5.5       |
| 30°-40°   | 3358.8  | 11.2      |
| 40°-50°   | 5721.8  | 19.0      |
| 50°-60°   | 7781.2  | 25.9      |
| 60°-70°   | 7307.0  | 24.3      |
| 70°-80°   | 2927.5  | 9.7       |
| 80°-90°   | 141.8   | 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°    | 30097.0 | 100.0     |
| 0°-180°   | 30097.0 | 100.0     |

**Coefficient of Utilization**



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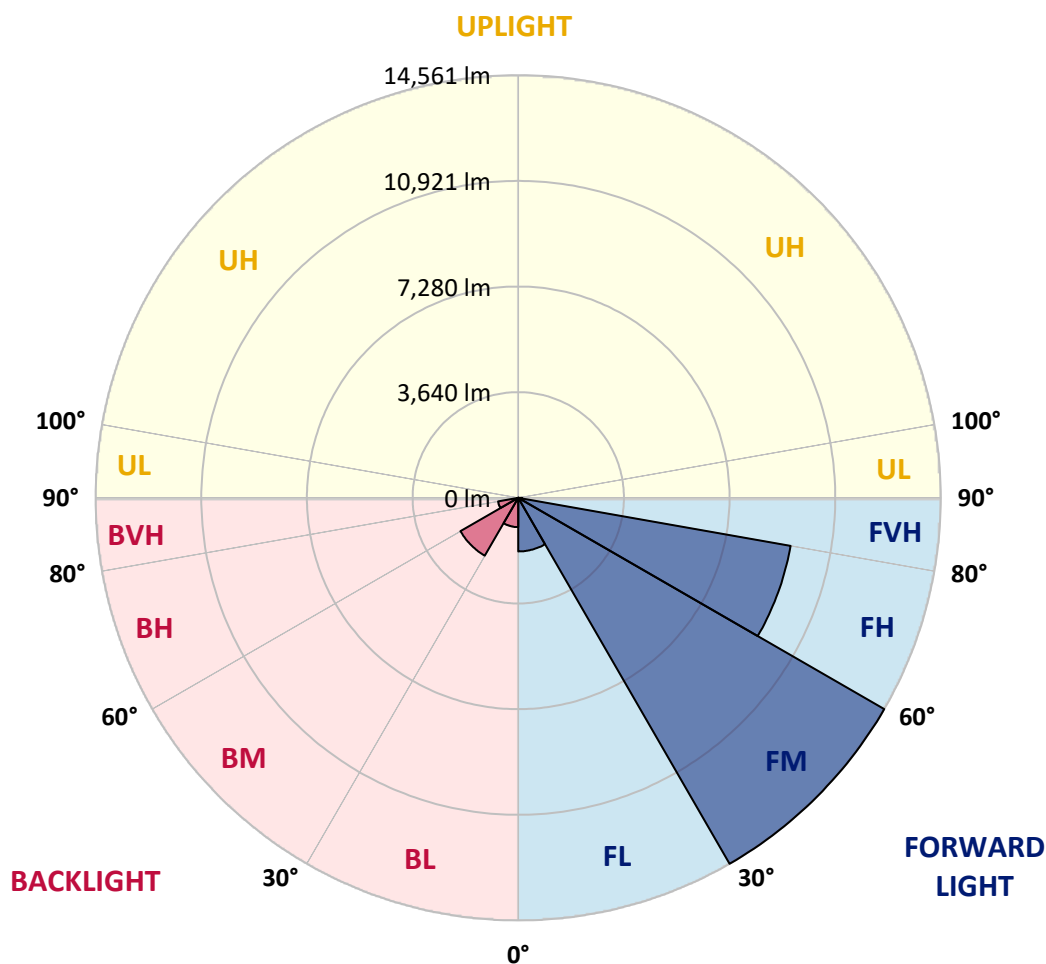
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1848.3  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 14560.9 | 48.4      |                         |      |          |
| FH   | (60°-80°)   | 9528.0  | 31.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 134.9   | 0.4       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1010.5  | 3.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2301.0  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 706.4   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 6.9     | 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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  |
| 2.5°  | 3488.5  | 3512.7  | 3506.6  | 3500.6  | 3498.6  | 3502.6  | 3504.6  | 3502.6  | 3502.6  | 3502.6  |
| 5°    | 3421.9  | 3442.1  | 3442.1  | 3456.2  | 3476.4  | 3500.6  | 3518.8  | 3522.8  | 3526.8  | 3532.9  |
| 7.5°  | 3294.8  | 3310.9  | 3323.0  | 3369.4  | 3419.9  | 3484.5  | 3538.9  | 3567.2  | 3571.2  | 3593.4  |
| 10°   | 3208.0  | 3228.2  | 3248.4  | 3296.8  | 3369.4  | 3466.3  | 3559.1  | 3627.7  | 3637.8  | 3690.3  |
| 12.5° | 3204.0  | 3224.2  | 3250.4  | 3302.9  | 3387.6  | 3490.5  | 3603.5  | 3702.4  | 3720.5  | 3797.2  |
| 15°   | 3246.4  | 3270.6  | 3294.8  | 3359.4  | 3450.2  | 3575.2  | 3696.3  | 3819.4  | 3837.5  | 3946.5  |
| 17.5° | 3333.1  | 3365.4  | 3383.6  | 3448.1  | 3545.0  | 3684.2  | 3843.6  | 3984.8  | 4001.0  | 4128.1  |
| 20°   | 3504.6  | 3543.0  | 3549.0  | 3601.5  | 3696.3  | 3845.6  | 4035.3  | 4210.8  | 4231.0  | 4376.2  |
| 22.5° | 3859.7  | 3914.2  | 3865.8  | 3892.0  | 3976.8  | 4126.1  | 4331.9  | 4553.8  | 4582.0  | 4747.5  |
| 25°   | 4485.2  | 4561.9  | 4436.8  | 4392.4  | 4428.7  | 4584.1  | 4842.3  | 5122.8  | 5155.1  | 5288.2  |
| 27.5° | 5713.9  | 5615.1  | 5425.4  | 5239.8  | 5130.8  | 5219.6  | 5510.2  | 5857.2  | 5897.5  | 6026.7  |
| 30°   | 7063.7  | 6977.0  | 6720.7  | 6309.1  | 6050.9  | 6036.8  | 6305.1  | 6692.5  | 6738.9  | 6862.0  |
| 32.5° | 8415.5  | 8332.8  | 8054.4  | 7548.0  | 7100.1  | 6878.1  | 7063.7  | 7493.5  | 7517.7  | 7596.4  |
| 35°   | 9745.2  | 9660.4  | 9382.0  | 8863.5  | 8312.6  | 7808.2  | 7771.9  | 8256.2  | 8264.2  | 8346.9  |
| 37.5° | 11082.9 | 11012.2 | 10715.6 | 10207.2 | 9664.5  | 8968.4  | 8631.4  | 8978.5  | 8988.6  | 9069.3  |
| 40°   | 12037.2 | 12067.5 | 11863.7 | 11470.2 | 11004.2 | 10243.5 | 9595.9  | 9747.2  | 9686.7  | 9821.8  |
| 42.5° | 12856.4 | 12916.9 | 12739.3 | 12541.6 | 12271.2 | 11601.4 | 10790.3 | 10764.1 | 10667.2 | 10739.9 |
| 45°   | 13564.5 | 13615.0 | 13455.6 | 13409.2 | 13403.1 | 12933.0 | 12095.7 | 11938.3 | 11803.2 | 11789.0 |
| 47.5° | 13824.8 | 13921.7 | 13990.3 | 14145.6 | 14448.3 | 14250.5 | 13445.5 | 13201.4 | 13050.1 | 12939.1 |
| 50°   | 13923.7 | 14026.6 | 14260.6 | 14712.6 | 15428.8 | 15513.6 | 14789.3 | 14514.9 | 14329.2 | 14127.5 |
| 52.5° | 13790.5 | 13974.1 | 14288.9 | 15049.5 | 16088.6 | 16526.4 | 16078.5 | 15838.4 | 15626.6 | 15297.7 |
| 55°   | 13005.7 | 13189.3 | 13832.9 | 15045.5 | 16417.5 | 17236.6 | 17297.2 | 17190.2 | 16952.2 | 16433.6 |
| 57.5° | 11351.2 | 11623.6 | 12642.5 | 14533.0 | 16411.4 | 17848.0 | 18491.6 | 18568.3 | 18302.0 | 17559.5 |
| 60°   | 9059.2  | 9428.4  | 10671.3 | 13397.1 | 15905.0 | 18178.9 | 19538.8 | 19922.1 | 19639.6 | 18669.2 |
| 62.5° | 6321.2  | 6749.0  | 7925.3  | 11617.5 | 14746.9 | 17940.8 | 20303.4 | 21011.6 | 20797.8 | 19661.8 |
| 65°   | 3855.7  | 3992.9  | 4941.2  | 9141.9  | 12777.7 | 16944.1 | 20539.5 | 21600.8 | 21530.2 | 20269.1 |
| 67.5° | 2568.4  | 2683.5  | 2955.8  | 6268.8  | 9918.7  | 14952.7 | 19974.6 | 21497.9 | 21518.1 | 20170.3 |
| 70°   | 1547.5  | 1646.4  | 1823.9  | 3645.9  | 6428.2  | 11835.4 | 18225.3 | 20186.4 | 20303.4 | 18848.7 |
| 72.5° | 637.6   | 704.2   | 865.6   | 1652.4  | 3329.1  | 7511.6  | 14512.8 | 17331.5 | 17603.8 | 15848.5 |
| 75°   | 361.2   | 395.5   | 508.4   | 829.2   | 1444.6  | 3500.6  | 8790.8  | 12303.5 | 12705.0 | 10923.5 |
| 77.5° | 240.1   | 256.2   | 328.9   | 536.7   | 813.1   | 1194.4  | 3756.8  | 6410.0  | 7176.7  | 5966.1  |
| 80°   | 161.4   | 175.5   | 226.0   | 359.1   | 528.6   | 512.5   | 1196.5  | 2374.8  | 2921.5  | 2049.9  |
| 82.5° | 109.0   | 111.0   | 161.4   | 236.1   | 334.9   | 248.2   | 353.1   | 738.5   | 928.1   | 593.2   |
| 85°   | 62.5    | 60.5    | 119.0   | 137.2   | 149.3   | 102.9   | 106.9   | 221.9   | 290.5   | 250.2   |
| 87.5° | 8.1     | 12.1    | 46.4    | 36.3    | 20.2    | 22.2    | 22.2    | 38.3    | 56.5    | 60.5    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3500.6  | 0°    | 3500.6  | 3500.6  | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 |
| 3504.6  | 2.5°  | 3504.6  | 3502.6  | 3496.6 | 3490.5 | 3476.4 | 3468.3 | 3472.3 | 3468.3 | 3466.3 | 3468.3 |
| 3530.9  | 5°    | 3530.9  | 3524.8  | 3508.7 | 3488.5 | 3460.2 | 3425.9 | 3403.7 | 3371.5 | 3341.2 | 3323.0 |
| 3601.5  | 7.5°  | 3601.5  | 3595.4  | 3573.2 | 3516.7 | 3425.9 | 3282.7 | 3151.5 | 3036.5 | 2949.8 | 2899.3 |
| 3714.5  | 10°   | 3714.5  | 3704.4  | 3670.1 | 3545.0 | 3306.9 | 2994.2 | 2733.9 | 2518.0 | 2376.8 | 2310.2 |
| 3847.6  | 12.5° | 3847.6  | 3835.5  | 3775.0 | 3518.8 | 3080.9 | 2592.7 | 2233.5 | 1993.4 | 1862.3 | 1803.8 |
| 4001.0  | 15°   | 4005.0  | 3988.9  | 3869.8 | 3393.7 | 2752.1 | 2148.8 | 1819.9 | 1640.3 | 1555.6 | 1503.1 |
| 4196.7  | 17.5° | 4200.7  | 4172.5  | 3940.4 | 3206.0 | 2394.9 | 1809.8 | 1565.7 | 1430.5 | 1355.8 | 1305.4 |
| 4452.9  | 20°   | 4454.9  | 4408.5  | 3996.9 | 2982.1 | 2066.1 | 1595.9 | 1394.2 | 1281.2 | 1224.7 | 1180.3 |
| 4816.1  | 22.5° | 4810.0  | 4743.5  | 4065.5 | 2739.9 | 1834.0 | 1448.7 | 1267.1 | 1184.4 | 1137.9 | 1087.5 |
| 5322.5  | 25°   | 5249.9  | 5171.2  | 4150.3 | 2516.0 | 1674.6 | 1321.5 | 1174.3 | 1105.7 | 1051.2 | 992.7  |
| 5986.3  | 27.5° | 5865.3  | 5724.0  | 4251.2 | 2332.4 | 1537.4 | 1212.6 | 1089.5 | 1012.9 | 950.3  | 901.9  |
| 6738.9  | 30°   | 6551.3  | 6319.2  | 4339.9 | 2221.4 | 1412.3 | 1111.7 | 978.6  | 901.9  | 843.4  | 809.1  |
| 7414.8  | 32.5° | 7200.9  | 6886.2  | 4398.4 | 2173.0 | 1299.4 | 996.7  | 857.5  | 774.8  | 730.4  | 720.3  |
| 8076.6  | 35°   | 7814.3  | 7398.7  | 4392.4 | 2126.6 | 1198.5 | 881.7  | 738.5  | 653.7  | 619.4  | 625.5  |
| 8788.8  | 37.5° | 8520.5  | 7945.4  | 4350.0 | 2054.0 | 1115.8 | 776.8  | 635.6  | 560.9  | 530.6  | 532.7  |
| 9654.4  | 40°   | 9341.6  | 8577.0  | 4323.8 | 1916.8 | 1025.0 | 679.9  | 550.8  | 490.3  | 468.1  | 460.0  |
| 10566.3 | 42.5° | 10217.3 | 9188.3  | 4327.8 | 1761.4 | 912.0  | 593.2  | 492.3  | 441.9  | 421.7  | 415.6  |
| 11581.2 | 45°   | 11097.0 | 9771.4  | 4333.9 | 1600.0 | 792.9  | 526.6  | 449.9  | 407.6  | 395.5  | 387.4  |
| 12610.2 | 47.5° | 11924.2 | 10267.7 | 4220.9 | 1426.5 | 675.9  | 476.2  | 415.6  | 387.4  | 377.3  | 367.2  |
| 13643.2 | 50°   | 12694.9 | 10598.6 | 3948.5 | 1224.7 | 583.1  | 435.8  | 389.4  | 369.2  | 359.1  | 349.1  |
| 14579.4 | 52.5° | 13294.2 | 10651.1 | 3498.6 | 1016.9 | 518.5  | 405.5  | 373.3  | 355.1  | 343.0  | 332.9  |
| 15336.0 | 55°   | 13560.5 | 10322.2 | 2859.0 | 823.2  | 468.1  | 379.3  | 357.1  | 339.0  | 324.8  | 314.8  |
| 15931.2 | 57.5° | 13491.9 | 9630.2  | 2229.5 | 661.8  | 419.7  | 353.1  | 336.9  | 324.8  | 308.7  | 292.6  |
| 16413.4 | 60°   | 13155.0 | 8704.1  | 1680.7 | 550.8  | 375.3  | 324.8  | 314.8  | 304.7  | 282.5  | 258.3  |
| 16599.1 | 62.5° | 12571.9 | 7539.9  | 1198.5 | 456.0  | 326.9  | 292.6  | 288.5  | 280.5  | 248.2  | 203.8  |
| 16324.7 | 65°   | 11680.1 | 6125.5  | 807.1  | 379.3  | 280.5  | 256.2  | 258.3  | 244.1  | 201.8  | 151.3  |
| 15319.9 | 67.5° | 10376.7 | 4479.1  | 516.5  | 310.7  | 234.0  | 213.9  | 215.9  | 207.8  | 171.5  | 129.1  |
| 13415.2 | 70°   | 8716.2  | 2965.9  | 336.9  | 236.1  | 187.6  | 165.4  | 177.6  | 179.6  | 145.3  | 104.9  |
| 10296.0 | 72.5° | 6389.8  | 1751.3  | 236.1  | 175.5  | 137.2  | 115.0  | 145.3  | 149.3  | 117.0  | 78.7   |
| 6194.1  | 75°   | 3641.8  | 831.3   | 177.6  | 127.1  | 84.7   | 80.7   | 113.0  | 113.0  | 80.7   | 52.5   |
| 2681.4  | 77.5° | 1529.4  | 347.0   | 125.1  | 82.7   | 48.4   | 46.4   | 76.7   | 70.6   | 40.4   | 24.2   |
| 653.7   | 80°   | 441.9   | 155.4   | 66.6   | 40.4   | 20.2   | 18.2   | 30.3   | 22.2   | 10.1   | 4.0    |
| 248.2   | 82.5° | 173.5   | 68.6    | 26.2   | 16.1   | 8.1    | 8.1    | 4.0    | 0.0    | 0.0    | 0.0    |
| 141.2   | 85°   | 102.9   | 28.2    | 12.1   | 6.1    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 30.3    | 87.5° | 26.2    | 6.1     | 4.0    | 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°   |
|--------|
| 3500.6 |
| 3476.4 |
| 3327.1 |
| 2901.4 |
| 2304.1 |
| 1797.7 |
| 1505.2 |
| 1301.4 |
| 1172.2 |
| 1079.4 |
| 986.6  |
| 891.8  |
| 803.0  |
| 726.3  |
| 625.5  |
| 540.7  |
| 458.0  |
| 413.6  |
| 387.4  |
| 367.2  |
| 349.1  |
| 330.9  |
| 312.7  |
| 290.5  |
| 254.2  |
| 199.7  |
| 147.3  |
| 123.1  |
| 100.9  |
| 74.7   |
| 48.4   |
| 24.2   |
| 4.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |