

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: P952556

Luminaire Tested: **GLAN-SB6B-840-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-840-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25159 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4  
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

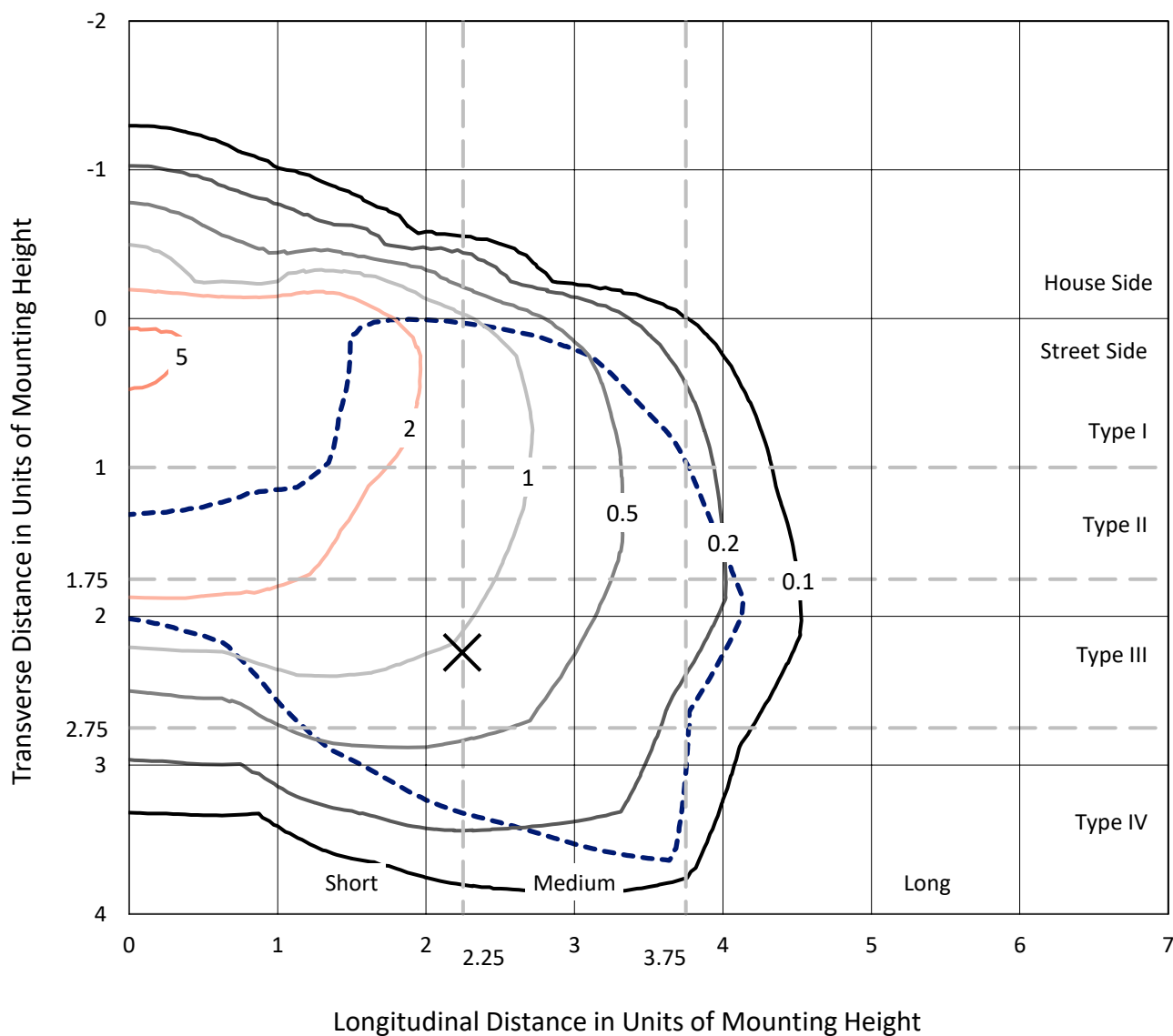


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

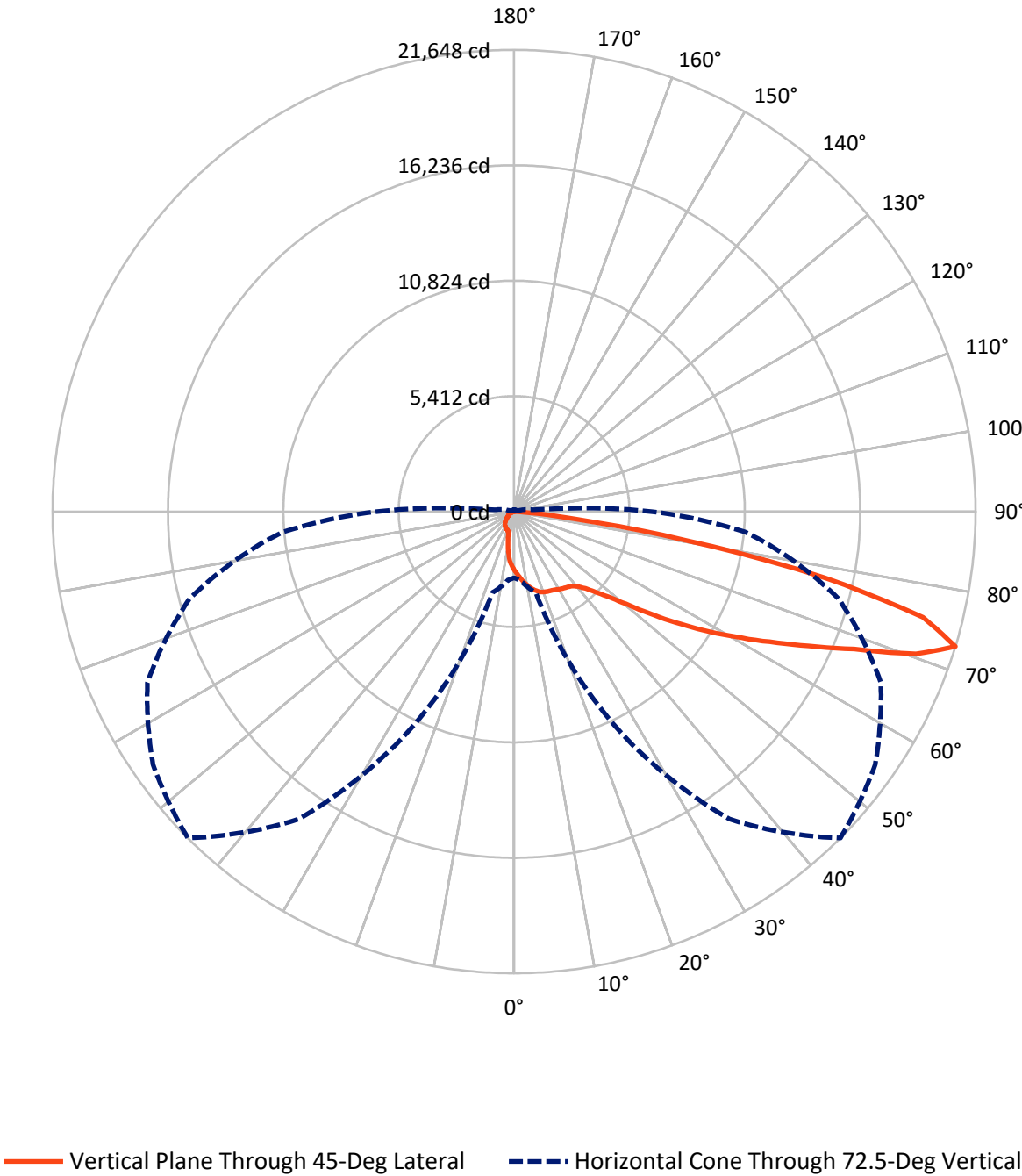


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type IV - 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    | 2643.5   | 0.0    | 2643.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 22515.5  | 0.0    | 22515.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 25159.0  | 0.0    | 25159.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 259.7   | 1.0       |
| 10°-20°   | 759.0   | 3.0       |
| 20°-30°   | 1246.3  | 5.0       |
| 30°-40°   | 1767.6  | 7.0       |
| 40°-50°   | 2921.7  | 11.6      |
| 50°-60°   | 5248.5  | 20.9      |
| 60°-70°   | 7287.8  | 29.0      |
| 70°-80°   | 5286.3  | 21.0      |
| 80°-90°   | 382.2   | 1.5       |
| 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°    | 25159.0 | 100.0     |
| 0°-180°   | 25159.0 | 100.0     |

**Coefficient of Utilization**



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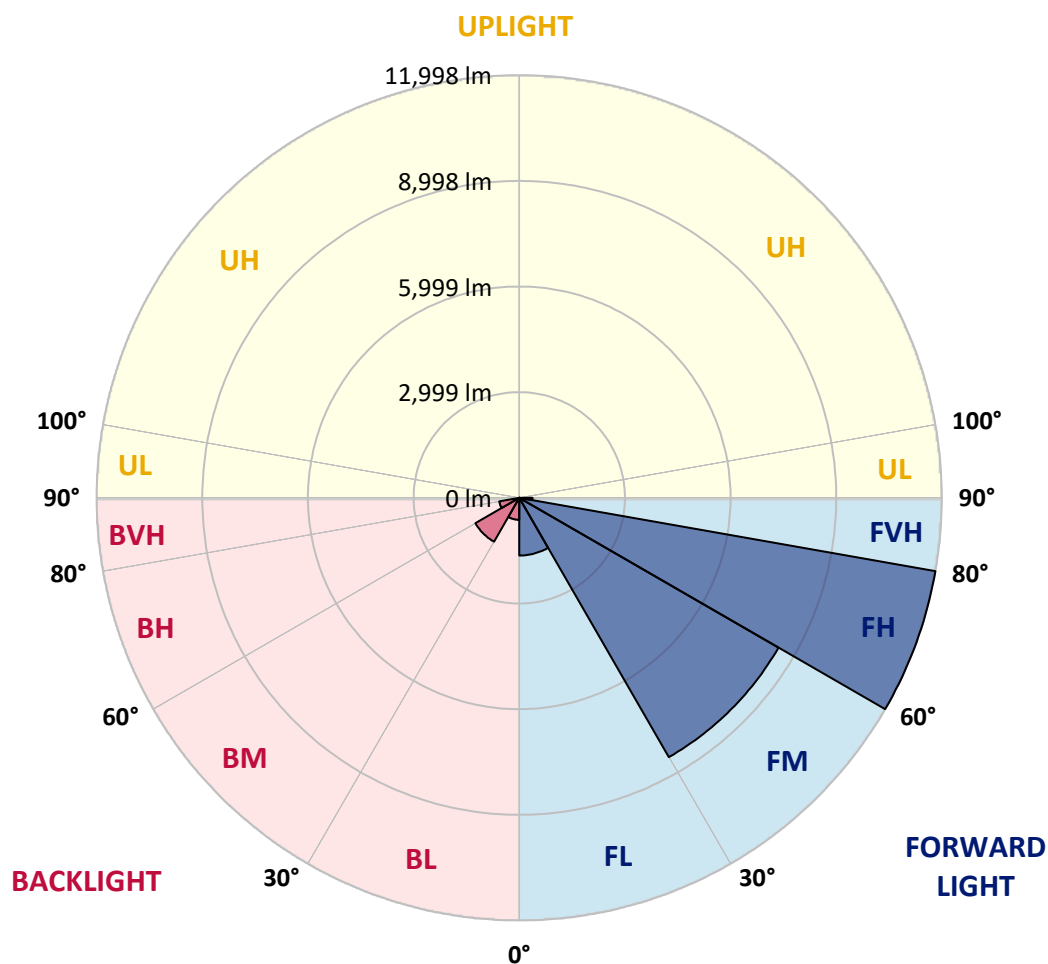
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1638.9  | 6.5       |                         |      |          |
| FM   | (30°-60°)   | 8500.0  | 33.8      |                         |      |          |
| FH   | (60°-80°)   | 11997.6 | 47.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 379.0   | 1.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 626.1   | 2.5       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1437.7  | 5.7       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 576.5   | 2.3       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.2     | 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°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  | 2756.2  |
| 2.5°  | 3010.4  | 3015.5  | 3012.1  | 2991.5  | 2957.1  | 2938.3  | 2927.9  | 2893.6  | 2871.3  | 2831.8  |
| 5°    | 3286.9  | 3307.5  | 3295.4  | 3254.2  | 3189.0  | 3142.6  | 3128.9  | 3058.5  | 2994.9  | 2921.1  |
| 7.5°  | 3580.5  | 3590.8  | 3568.5  | 3515.3  | 3427.7  | 3348.7  | 3336.7  | 3238.8  | 3137.5  | 3024.1  |
| 10°   | 3834.7  | 3846.7  | 3812.3  | 3735.1  | 3635.5  | 3537.6  | 3520.4  | 3412.2  | 3292.0  | 3152.9  |
| 12.5° | 4047.6  | 4059.6  | 4015.0  | 3922.2  | 3812.3  | 3711.0  | 3693.9  | 3580.5  | 3448.3  | 3293.7  |
| 15°   | 4209.0  | 4231.4  | 4171.3  | 4071.7  | 3953.2  | 3851.8  | 3843.3  | 3731.6  | 3602.8  | 3431.1  |
| 17.5° | 4303.5  | 4325.8  | 4269.1  | 4148.9  | 4047.6  | 3961.7  | 3951.4  | 3858.7  | 3738.5  | 3573.6  |
| 20°   | 4318.9  | 4339.5  | 4279.4  | 4174.7  | 4090.5  | 4021.9  | 4016.7  | 3949.7  | 3862.1  | 3704.2  |
| 22.5° | 4272.6  | 4298.3  | 4243.4  | 4159.2  | 4100.8  | 4064.8  | 4057.9  | 4020.1  | 3970.3  | 3836.4  |
| 25°   | 4224.5  | 4245.1  | 4203.9  | 4130.0  | 4099.1  | 4095.7  | 4100.8  | 4094.0  | 4083.7  | 3970.3  |
| 27.5° | 4221.1  | 4243.4  | 4197.0  | 4126.6  | 4109.4  | 4145.5  | 4150.6  | 4183.3  | 4191.9  | 4092.3  |
| 30°   | 4250.2  | 4265.7  | 4221.1  | 4147.2  | 4138.6  | 4221.1  | 4222.8  | 4281.2  | 4294.9  | 4195.3  |
| 32.5° | 4313.8  | 4331.0  | 4286.3  | 4178.1  | 4166.1  | 4281.2  | 4286.3  | 4363.6  | 4385.9  | 4305.2  |
| 35°   | 4463.2  | 4483.8  | 4432.3  | 4264.0  | 4221.1  | 4337.8  | 4353.3  | 4444.3  | 4488.9  | 4422.0  |
| 37.5° | 4835.8  | 4775.7  | 4705.3  | 4437.4  | 4346.4  | 4427.1  | 4452.9  | 4559.4  | 4638.4  | 4561.1  |
| 40°   | 5761.4  | 5572.5  | 5352.7  | 4732.8  | 4566.2  | 4617.7  | 4638.4  | 4744.8  | 4853.0  | 4777.5  |
| 42.5° | 7150.7  | 6927.5  | 6573.7  | 5412.8  | 4897.7  | 4923.4  | 4938.9  | 5031.6  | 5184.4  | 5124.3  |
| 45°   | 8388.9  | 8308.2  | 7947.5  | 6573.7  | 5517.6  | 5390.5  | 5409.4  | 5457.5  | 5682.5  | 5660.1  |
| 47.5° | 9340.2  | 9293.9  | 9015.7  | 7906.3  | 6565.1  | 5962.4  | 6015.6  | 6037.9  | 6362.5  | 6441.5  |
| 50°   | 10071.8 | 10054.6 | 9805.6  | 9091.2  | 7933.8  | 6805.5  | 6824.4  | 6776.4  | 7262.3  | 7458.1  |
| 52.5° | 10762.1 | 10820.5 | 10636.8 | 10192.0 | 9395.2  | 7909.8  | 7906.3  | 7679.6  | 8335.6  | 8631.0  |
| 55°   | 11385.5 | 11406.1 | 11425.0 | 11315.1 | 10865.2 | 9166.8  | 9134.2  | 8763.2  | 9580.7  | 9886.3  |
| 57.5° | 11971.1 | 11979.7 | 12148.0 | 12372.9 | 12395.3 | 10516.6 | 10456.5 | 10011.7 | 10940.7 | 11158.8 |
| 60°   | 12364.4 | 12403.9 | 12759.3 | 13384.4 | 13657.5 | 11909.3 | 11876.7 | 11423.3 | 12324.9 | 12426.2 |
| 62.5° | 11797.7 | 12038.1 | 12934.5 | 14174.4 | 14849.3 | 13453.1 | 13437.7 | 13011.8 | 13781.1 | 13698.7 |
| 65°   | 9549.8  | 9956.7  | 11533.2 | 14708.4 | 16018.7 | 15177.3 | 15199.6 | 14746.2 | 15276.9 | 15009.0 |
| 67.5° | 6680.2  | 7109.5  | 8974.5  | 14751.4 | 17325.6 | 17201.9 | 17330.7 | 16619.8 | 16865.3 | 16264.3 |
| 70°   | 4619.5  | 4841.0  | 6055.1  | 13827.5 | 18343.9 | 19990.8 | 19987.3 | 18920.9 | 18445.2 | 16836.1 |
| 72.5° | 3106.5  | 3221.6  | 3932.6  | 10969.9 | 17595.2 | 21647.9 | 21548.3 | 20679.4 | 18977.6 | 15745.7 |
| 75°   | 1310.3  | 1394.4  | 1820.3  | 6165.0  | 13920.2 | 19805.3 | 19535.7 | 18275.2 | 16861.9 | 12398.7 |
| 77.5° | 415.6   | 451.6   | 717.8   | 2206.7  | 7667.6  | 14887.0 | 14602.0 | 11413.0 | 11301.4 | 6220.0  |
| 80°   | 197.5   | 230.1   | 403.6   | 886.1   | 3017.2  | 8096.9  | 8057.4  | 5177.6  | 4861.6  | 1679.5  |
| 82.5° | 85.9    | 101.3   | 223.2   | 474.0   | 1349.8  | 2888.5  | 2946.8  | 1761.9  | 1458.0  | 637.1   |
| 85°   | 27.5    | 36.1    | 103.0   | 218.1   | 570.1   | 717.8   | 709.2   | 419.0   | 587.3   | 346.9   |
| 87.5° | 0.0     | 0.0     | 34.3    | 49.8    | 58.4    | 41.2    | 46.4    | 36.1    | 163.1   | 96.2    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2756.2  | 0°    | 2756.2  | 2756.2 | 2756.2 | 2756.2 | 2756.2 | 2756.2 | 2756.2 | 2756.2 | 2756.2 | 2756.2 |
| 2790.6  | 2.5°  | 2770.0  | 2742.5 | 2694.4 | 2649.8 | 2610.3 | 2570.8 | 2546.7 | 2512.4 | 2508.9 | 2508.9 |
| 2835.2  | 5°    | 2788.9  | 2744.2 | 2658.3 | 2567.3 | 2462.6 | 2363.0 | 2263.4 | 2167.2 | 2136.3 | 2114.0 |
| 2907.3  | 7.5°  | 2843.8  | 2773.4 | 2637.7 | 2464.3 | 2265.1 | 2047.0 | 1894.2 | 1729.3 | 1665.8 | 1631.4 |
| 3003.5  | 10°   | 2922.8  | 2826.6 | 2620.6 | 2316.6 | 1993.8 | 1696.7 | 1478.6 | 1300.0 | 1231.3 | 1202.1 |
| 3108.3  | 12.5° | 3010.4  | 2891.9 | 2589.6 | 2132.9 | 1696.7 | 1341.2 | 1128.2 | 1045.8 | 1035.5 | 1035.5 |
| 3233.6  | 15°   | 3115.1  | 2970.9 | 2536.4 | 1916.5 | 1385.8 | 1061.3 | 985.7  | 989.1  | 999.5  | 1006.3 |
| 3355.5  | 17.5° | 3223.3  | 3055.0 | 2452.3 | 1674.3 | 1111.1 | 954.8  | 956.5  | 961.7  | 970.3  | 977.1  |
| 3487.8  | 20°   | 3340.1  | 3139.2 | 2340.6 | 1416.7 | 953.1  | 923.9  | 929.0  | 934.2  | 941.1  | 944.5  |
| 3611.4  | 22.5° | 3465.5  | 3218.2 | 2208.4 | 1164.3 | 899.9  | 898.1  | 899.9  | 905.0  | 913.6  | 913.6  |
| 3755.7  | 25°   | 3599.4  | 3305.7 | 2057.3 | 980.6  | 872.4  | 872.4  | 875.8  | 879.2  | 886.1  | 886.1  |
| 3894.8  | 27.5° | 3736.8  | 3386.5 | 1897.6 | 884.4  | 848.3  | 846.6  | 846.6  | 851.8  | 855.2  | 856.9  |
| 4032.2  | 30°   | 3887.9  | 3480.9 | 1737.9 | 863.8  | 829.4  | 820.9  | 815.7  | 819.1  | 822.6  | 824.3  |
| 4176.4  | 32.5° | 4042.5  | 3571.9 | 1595.3 | 872.4  | 810.6  | 795.1  | 777.9  | 774.5  | 774.5  | 781.4  |
| 4325.8  | 35°   | 4214.2  | 3671.5 | 1485.4 | 901.6  | 800.2  | 757.3  | 729.8  | 714.4  | 716.1  | 726.4  |
| 4504.4  | 37.5° | 4420.3  | 3791.7 | 1404.7 | 927.3  | 793.4  | 714.4  | 669.7  | 650.8  | 638.8  | 650.8  |
| 4750.0  | 40°   | 4689.9  | 3968.6 | 1346.3 | 947.9  | 784.8  | 664.6  | 604.5  | 573.6  | 551.2  | 558.1  |
| 5131.2  | 42.5° | 5086.6  | 4246.8 | 1324.0 | 949.7  | 765.9  | 606.2  | 537.5  | 496.3  | 463.7  | 465.4  |
| 5704.8  | 45°   | 5643.0  | 4686.4 | 1439.1 | 927.3  | 724.7  | 542.7  | 467.1  | 412.1  | 391.5  | 386.4  |
| 6561.7  | 47.5° | 6405.4  | 5327.0 | 1705.3 | 881.0  | 664.6  | 480.8  | 398.4  | 352.0  | 336.6  | 328.0  |
| 7686.5  | 50°   | 7427.2  | 6149.6 | 2000.6 | 829.4  | 604.5  | 422.4  | 341.7  | 312.5  | 302.2  | 293.7  |
| 9020.8  | 52.5° | 8612.1  | 6984.1 | 2242.8 | 777.9  | 544.4  | 370.9  | 305.7  | 288.5  | 279.9  | 273.0  |
| 10308.8 | 55°   | 9699.2  | 7559.4 | 2229.0 | 723.0  | 486.0  | 329.7  | 279.9  | 269.6  | 259.3  | 252.4  |
| 11418.1 | 57.5° | 10375.8 | 7640.1 | 1837.5 | 662.9  | 419.0  | 297.1  | 255.9  | 249.0  | 237.0  | 228.4  |
| 12378.1 | 60°   | 10686.6 | 7179.9 | 1288.0 | 583.9  | 352.0  | 266.2  | 230.1  | 226.7  | 211.2  | 199.2  |
| 13286.5 | 62.5° | 10743.3 | 6324.7 | 858.6  | 486.0  | 293.7  | 237.0  | 204.4  | 199.2  | 178.6  | 158.0  |
| 14025.0 | 65°   | 10513.1 | 5102.0 | 594.2  | 379.5  | 250.7  | 206.1  | 175.2  | 164.9  | 142.5  | 121.9  |
| 14200.1 | 67.5° | 9785.0  | 3582.2 | 413.9  | 273.0  | 212.9  | 163.1  | 139.1  | 135.7  | 118.5  | 101.3  |
| 13307.1 | 70°   | 8450.7  | 2041.8 | 276.5  | 204.4  | 168.3  | 111.6  | 109.9  | 113.3  | 96.2   | 82.4   |
| 10872.1 | 72.5° | 6479.3  | 934.2  | 171.7  | 149.4  | 115.1  | 75.6   | 87.6   | 89.3   | 73.8   | 61.8   |
| 6783.2  | 75°   | 3814.1  | 400.1  | 108.2  | 96.2   | 58.4   | 49.8   | 63.5   | 65.3   | 49.8   | 39.5   |
| 2479.7  | 77.5° | 1298.3  | 151.1  | 68.7   | 56.7   | 29.2   | 27.5   | 41.2   | 41.2   | 27.5   | 15.5   |
| 498.0   | 80°   | 295.4   | 56.7   | 34.3   | 22.3   | 13.7   | 12.0   | 13.7   | 12.0   | 6.9    | 1.7    |
| 152.8   | 82.5° | 84.1    | 22.3   | 13.7   | 8.6    | 5.2    | 5.2    | 1.7    | 0.0    | 0.0    | 0.0    |
| 53.2    | 85°   | 24.0    | 10.3   | 3.4    | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 18.9    | 87.5° | 10.3    | 1.7    | 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°   |
|--------|
| 2756.2 |
| 2517.5 |
| 2124.3 |
| 1636.6 |
| 1202.1 |
| 1035.5 |
| 1006.3 |
| 977.1  |
| 946.2  |
| 917.0  |
| 887.8  |
| 858.6  |
| 827.7  |
| 786.5  |
| 731.6  |
| 647.4  |
| 554.7  |
| 458.5  |
| 379.5  |
| 322.8  |
| 291.9  |
| 271.3  |
| 249.0  |
| 226.7  |
| 195.8  |
| 147.7  |
| 115.1  |
| 96.2   |
| 75.6   |
| 55.0   |
| 34.3   |
| 12.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |