

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: P955013

Luminaire Tested: **GLAN-SB8A-830-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955013  
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-SB8A-830-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 350mA 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: 25106 lumens  
Efficiency: N/A  
Efficacy: 110.6 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



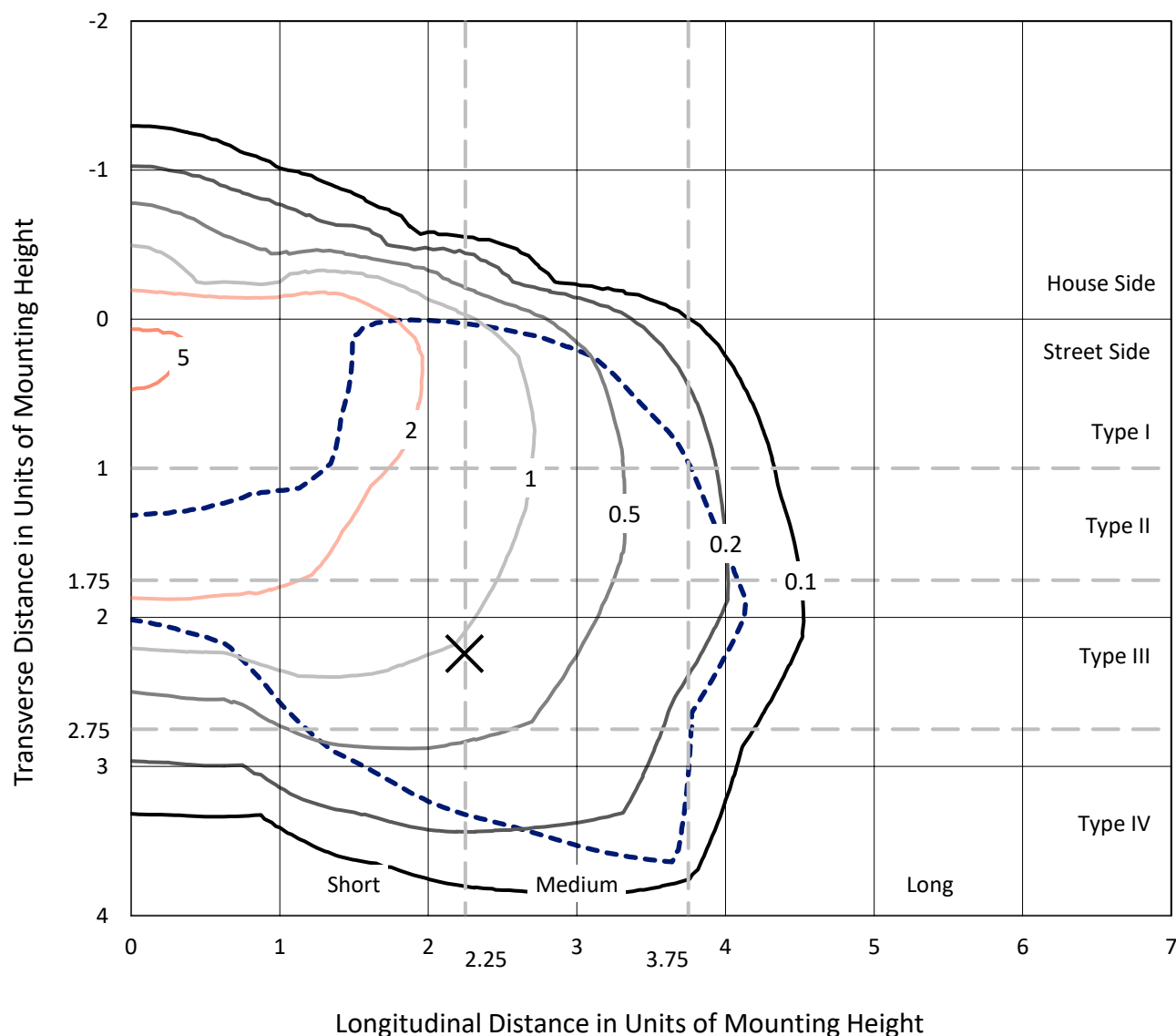
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## Iso-Footcandle Lines of Horizontal Illumination

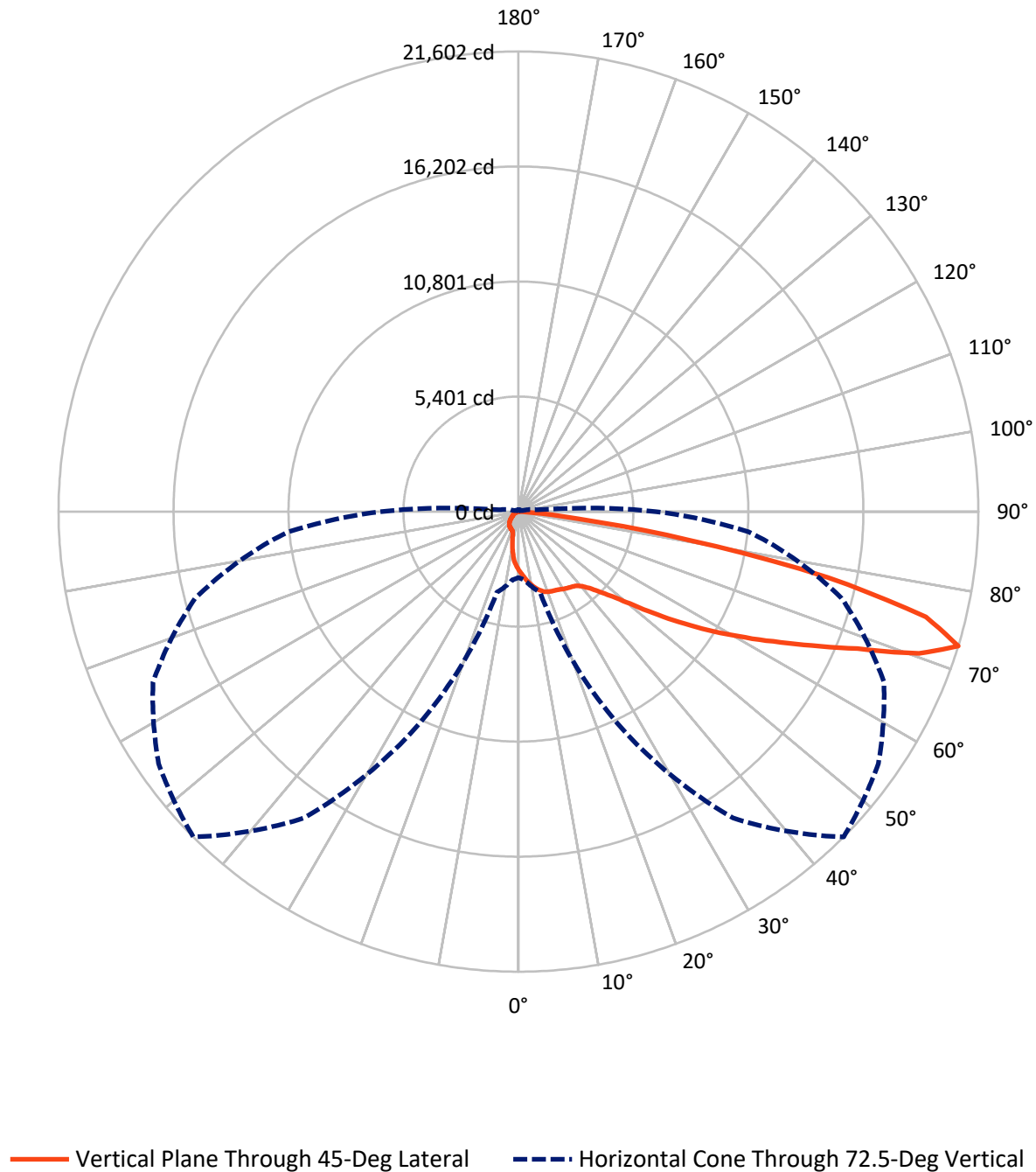
× Max cd

--- 1/2 Max cd



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## Luminous Intensity Polar Plot



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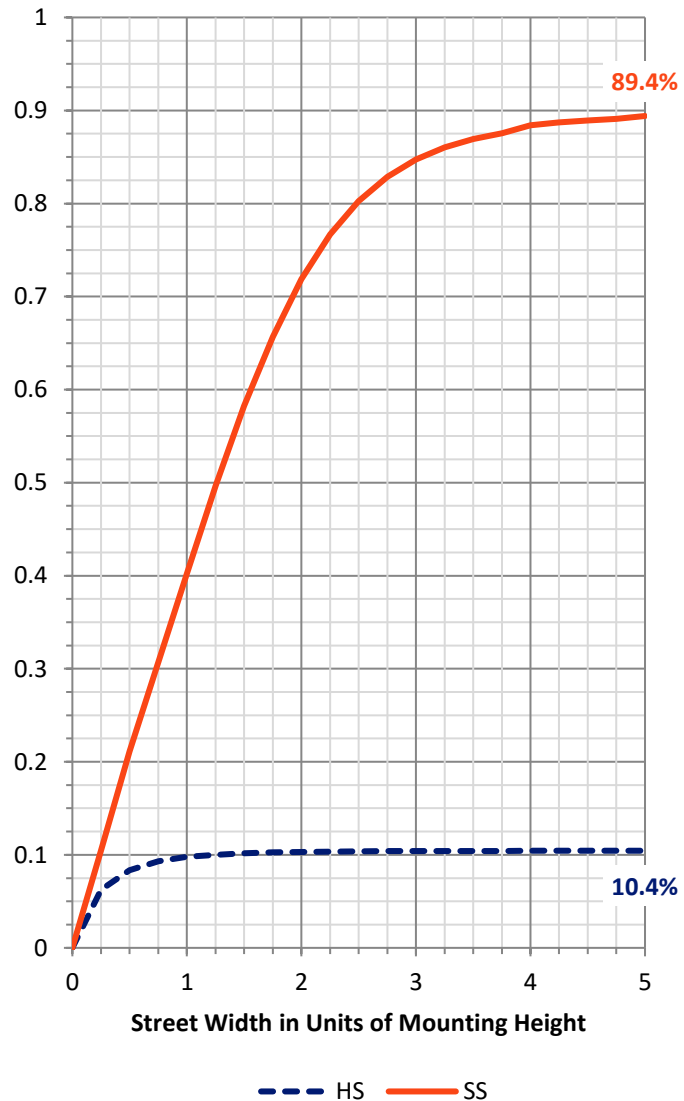
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2637.9   | 0.0    | 2637.9  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 22468.1  | 0.0    | 22468.1 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 25106.0  | 0.0    | 25106.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 259.1   | 1.0       |
| 10°-20°   | 757.4   | 3.0       |
| 20°-30°   | 1243.7  | 5.0       |
| 30°-40°   | 1763.9  | 7.0       |
| 40°-50°   | 2915.5  | 11.6      |
| 50°-60°   | 5237.4  | 20.9      |
| 60°-70°   | 7272.4  | 29.0      |
| 70°-80°   | 5275.2  | 21.0      |
| 80°-90°   | 381.4   | 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°    | 25106.0 | 100.0     |
| 0°-180°   | 25106.0 | 100.0     |

**Coefficient of Utilization**



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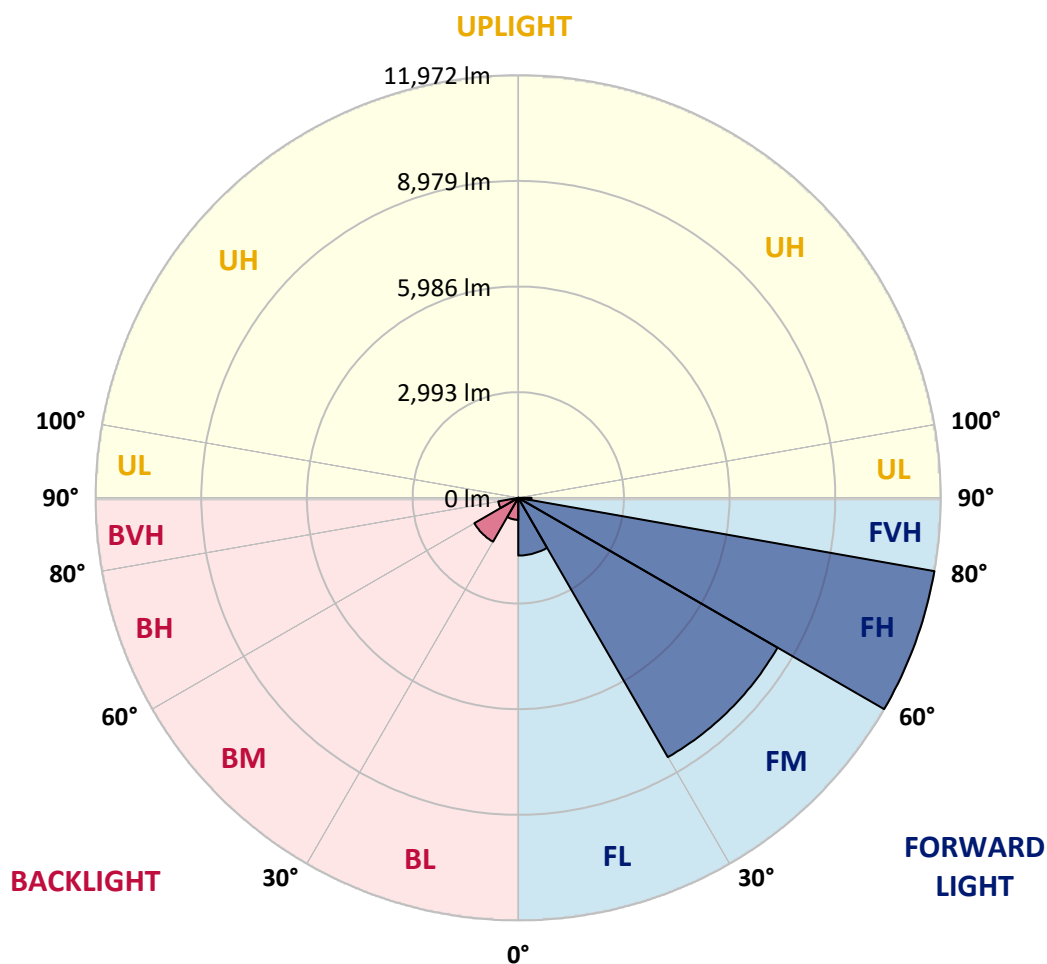
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1635.4  | 6.5       |                         |      |          |
| FM   | (30°-60°)   | 8482.1  | 33.8      |                         |      |          |
| FH   | (60°-80°)   | 11972.3 | 47.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 378.2   | 1.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 624.8   | 2.5       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1434.7  | 5.7       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 575.2   | 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°    | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  | 2750.4  |
| 2.5°  | 3004.0  | 3009.2  | 3005.8  | 2985.2  | 2950.9  | 2932.1  | 2921.8  | 2887.5  | 2865.2  | 2825.8  |
| 5°    | 3279.9  | 3300.5  | 3288.5  | 3247.4  | 3182.3  | 3136.0  | 3122.3  | 3052.0  | 2988.6  | 2914.9  |
| 7.5°  | 3573.0  | 3583.3  | 3561.0  | 3507.9  | 3420.5  | 3341.6  | 3329.6  | 3232.0  | 3130.8  | 3017.7  |
| 10°   | 3826.6  | 3838.6  | 3804.3  | 3727.2  | 3627.8  | 3530.1  | 3513.0  | 3405.0  | 3285.1  | 3146.3  |
| 12.5° | 4039.1  | 4051.1  | 4006.5  | 3914.0  | 3804.3  | 3703.2  | 3686.1  | 3573.0  | 3441.0  | 3286.8  |
| 15°   | 4200.2  | 4222.4  | 4162.5  | 4063.1  | 3944.8  | 3843.7  | 3835.2  | 3723.8  | 3595.2  | 3423.9  |
| 17.5° | 4294.4  | 4316.7  | 4260.1  | 4140.2  | 4039.1  | 3953.4  | 3943.1  | 3850.6  | 3730.6  | 3566.1  |
| 20°   | 4309.8  | 4330.4  | 4270.4  | 4165.9  | 4081.9  | 4013.4  | 4008.2  | 3941.4  | 3854.0  | 3696.4  |
| 22.5° | 4263.6  | 4289.3  | 4234.4  | 4150.5  | 4092.2  | 4056.2  | 4049.4  | 4011.7  | 3962.0  | 3828.3  |
| 25°   | 4215.6  | 4236.2  | 4195.0  | 4121.3  | 4090.5  | 4087.1  | 4092.2  | 4085.4  | 4075.1  | 3962.0  |
| 27.5° | 4212.2  | 4234.4  | 4188.2  | 4117.9  | 4100.8  | 4136.8  | 4141.9  | 4174.5  | 4183.0  | 4083.6  |
| 30°   | 4241.3  | 4256.7  | 4212.2  | 4138.5  | 4129.9  | 4212.2  | 4213.9  | 4272.1  | 4285.9  | 4186.5  |
| 32.5° | 4304.7  | 4321.8  | 4277.3  | 4169.3  | 4157.3  | 4272.1  | 4277.3  | 4354.4  | 4376.7  | 4296.1  |
| 35°   | 4453.8  | 4474.4  | 4422.9  | 4255.0  | 4212.2  | 4328.7  | 4344.1  | 4434.9  | 4479.5  | 4412.7  |
| 37.5° | 4825.7  | 4765.7  | 4695.4  | 4428.1  | 4337.3  | 4417.8  | 4443.5  | 4549.8  | 4628.6  | 4551.5  |
| 40°   | 5749.3  | 5560.8  | 5341.5  | 4722.8  | 4556.6  | 4608.0  | 4628.6  | 4734.8  | 4842.8  | 4767.4  |
| 42.5° | 7135.7  | 6912.9  | 6559.9  | 5401.4  | 4887.3  | 4913.0  | 4928.5  | 5021.0  | 5173.5  | 5113.5  |
| 45°   | 8371.2  | 8290.7  | 7930.8  | 6559.9  | 5506.0  | 5379.2  | 5398.0  | 5446.0  | 5670.5  | 5648.2  |
| 47.5° | 9320.6  | 9274.3  | 8996.7  | 7889.7  | 6551.3  | 5949.8  | 6002.9  | 6025.2  | 6349.1  | 6427.9  |
| 50°   | 10050.6 | 10033.4 | 9785.0  | 9072.1  | 7917.1  | 6791.2  | 6810.1  | 6762.1  | 7247.0  | 7442.4  |
| 52.5° | 10739.5 | 10797.7 | 10614.4 | 10170.5 | 9375.4  | 7893.1  | 7889.7  | 7663.5  | 8318.1  | 8612.8  |
| 55°   | 11361.5 | 11382.1 | 11400.9 | 11291.3 | 10842.3 | 9147.5  | 9114.9  | 8744.8  | 9560.5  | 9865.5  |
| 57.5° | 11945.9 | 11954.5 | 12122.4 | 12346.9 | 12369.2 | 10494.4 | 10434.4 | 9990.6  | 10917.7 | 11135.3 |
| 60°   | 12338.3 | 12377.7 | 12732.5 | 13356.2 | 13628.7 | 11884.2 | 11851.6 | 11399.2 | 12298.9 | 12400.0 |
| 62.5° | 11772.8 | 12012.7 | 12907.2 | 14144.5 | 14818.0 | 13424.8 | 13409.3 | 12984.4 | 13752.1 | 13669.8 |
| 65°   | 9529.6  | 9935.8  | 11508.9 | 14677.5 | 15985.0 | 15145.3 | 15167.6 | 14715.2 | 15244.7 | 14977.3 |
| 67.5° | 6666.1  | 7094.5  | 8955.6  | 14720.3 | 17289.1 | 17165.7 | 17294.2 | 16584.7 | 16829.8 | 16230.0 |
| 70°   | 4609.7  | 4830.8  | 6042.3  | 13798.3 | 18305.3 | 19948.7 | 19945.2 | 18881.0 | 18406.4 | 16800.7 |
| 72.5° | 3100.0  | 3214.8  | 3924.3  | 10946.8 | 17558.1 | 21602.3 | 21502.9 | 20635.8 | 18937.6 | 15712.5 |
| 75°   | 1307.5  | 1391.5  | 1816.5  | 6152.0  | 13890.9 | 19763.6 | 19494.5 | 18236.7 | 16826.4 | 12372.6 |
| 77.5° | 414.7   | 450.7   | 716.3   | 2202.0  | 7651.5  | 14855.7 | 14571.2 | 11388.9 | 11277.6 | 6206.9  |
| 80°   | 197.1   | 229.6   | 402.7   | 884.2   | 3010.9  | 8079.9  | 8040.5  | 5166.7  | 4851.4  | 1676.0  |
| 82.5° | 85.7    | 101.1   | 222.8   | 473.0   | 1346.9  | 2882.4  | 2940.6  | 1758.2  | 1454.9  | 635.8   |
| 85°   | 27.4    | 36.0    | 102.8   | 217.6   | 568.9   | 716.3   | 707.7   | 418.1   | 586.1   | 346.2   |
| 87.5° | 0.0     | 0.0     | 34.3    | 49.7    | 58.3    | 41.1    | 46.3    | 36.0    | 162.8   | 96.0    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2750.4  | 0°    | 2750.4  | 2750.4 | 2750.4 | 2750.4 | 2750.4 | 2750.4 | 2750.4 | 2750.4 | 2750.4 | 2750.4 |
| 2784.7  | 2.5°  | 2764.1  | 2736.7 | 2688.7 | 2644.2 | 2604.8 | 2565.3 | 2541.3 | 2507.1 | 2503.6 | 2503.6 |
| 2829.2  | 5°    | 2783.0  | 2738.4 | 2652.7 | 2561.9 | 2457.4 | 2358.0 | 2258.6 | 2162.6 | 2131.8 | 2109.5 |
| 2901.2  | 7.5°  | 2837.8  | 2767.6 | 2632.2 | 2459.1 | 2260.3 | 2042.7 | 1890.2 | 1725.7 | 1662.2 | 1628.0 |
| 2997.2  | 10°   | 2916.6  | 2820.7 | 2615.0 | 2311.7 | 1989.6 | 1693.1 | 1475.5 | 1297.2 | 1228.7 | 1199.6 |
| 3101.7  | 12.5° | 3004.0  | 2885.8 | 2584.2 | 2128.4 | 1693.1 | 1338.4 | 1125.9 | 1043.6 | 1033.3 | 1033.3 |
| 3226.8  | 15°   | 3108.6  | 2964.6 | 2531.1 | 1912.4 | 1382.9 | 1059.0 | 983.6  | 987.1  | 997.3  | 1004.2 |
| 3348.5  | 17.5° | 3216.5  | 3048.6 | 2447.1 | 1670.8 | 1108.7 | 952.8  | 954.5  | 959.6  | 968.2  | 975.1  |
| 3480.4  | 20°   | 3333.1  | 3132.6 | 2335.7 | 1413.8 | 951.1  | 921.9  | 927.1  | 932.2  | 939.1  | 942.5  |
| 3603.8  | 22.5° | 3458.2  | 3211.4 | 2203.8 | 1161.9 | 898.0  | 896.2  | 898.0  | 903.1  | 911.7  | 911.7  |
| 3747.8  | 25°   | 3591.8  | 3298.8 | 2053.0 | 978.5  | 870.5  | 870.5  | 874.0  | 877.4  | 884.2  | 884.2  |
| 3886.6  | 27.5° | 3728.9  | 3379.3 | 1893.6 | 882.5  | 846.5  | 844.8  | 844.8  | 850.0  | 853.4  | 855.1  |
| 4023.7  | 30°   | 3879.7  | 3473.6 | 1734.2 | 862.0  | 827.7  | 819.1  | 814.0  | 817.4  | 820.8  | 822.6  |
| 4167.6  | 32.5° | 4033.9  | 3564.4 | 1592.0 | 870.5  | 808.8  | 793.4  | 776.3  | 772.9  | 772.9  | 779.7  |
| 4316.7  | 35°   | 4205.3  | 3663.8 | 1482.3 | 899.7  | 798.6  | 755.7  | 728.3  | 712.9  | 714.6  | 724.9  |
| 4494.9  | 37.5° | 4410.9  | 3783.7 | 1401.8 | 925.4  | 791.7  | 712.9  | 668.3  | 649.5  | 637.5  | 649.5  |
| 4740.0  | 40°   | 4680.0  | 3960.3 | 1343.5 | 945.9  | 783.1  | 663.2  | 603.2  | 572.4  | 550.1  | 556.9  |
| 5120.4  | 42.5° | 5075.8  | 4237.9 | 1321.2 | 947.7  | 764.3  | 604.9  | 536.4  | 495.2  | 462.7  | 464.4  |
| 5692.8  | 45°   | 5631.1  | 4676.6 | 1436.0 | 925.4  | 723.2  | 541.5  | 466.1  | 411.3  | 390.7  | 385.6  |
| 6547.9  | 47.5° | 6391.9  | 5315.8 | 1701.7 | 879.1  | 663.2  | 479.8  | 397.6  | 351.3  | 335.9  | 327.3  |
| 7670.3  | 50°   | 7411.6  | 6136.6 | 1996.4 | 827.7  | 603.2  | 421.6  | 341.0  | 311.9  | 301.6  | 293.0  |
| 9001.8  | 52.5° | 8594.0  | 6969.4 | 2238.0 | 776.3  | 543.2  | 370.1  | 305.0  | 287.9  | 279.3  | 272.5  |
| 10287.1 | 55°   | 9678.7  | 7543.5 | 2224.3 | 721.4  | 485.0  | 329.0  | 279.3  | 269.0  | 258.8  | 251.9  |
| 11394.1 | 57.5° | 10353.9 | 7624.0 | 1833.6 | 661.5  | 418.1  | 296.5  | 255.3  | 248.5  | 236.5  | 227.9  |
| 12352.0 | 60°   | 10664.1 | 7164.8 | 1285.2 | 582.6  | 351.3  | 265.6  | 229.6  | 226.2  | 210.8  | 198.8  |
| 13258.5 | 62.5° | 10720.6 | 6311.4 | 856.8  | 485.0  | 293.0  | 236.5  | 203.9  | 198.8  | 178.2  | 157.7  |
| 13995.4 | 65°   | 10491.0 | 5091.3 | 592.9  | 378.7  | 250.2  | 205.6  | 174.8  | 164.5  | 142.2  | 121.7  |
| 14170.2 | 67.5° | 9764.4  | 3574.7 | 413.0  | 272.5  | 212.5  | 162.8  | 138.8  | 135.4  | 118.2  | 101.1  |
| 13279.1 | 70°   | 8432.9  | 2037.5 | 275.9  | 203.9  | 167.9  | 111.4  | 109.7  | 113.1  | 96.0   | 82.3   |
| 10849.1 | 72.5° | 6465.6  | 932.2  | 171.4  | 149.1  | 114.8  | 75.4   | 87.4   | 89.1   | 73.7   | 61.7   |
| 6768.9  | 75°   | 3806.0  | 399.3  | 108.0  | 96.0   | 58.3   | 49.7   | 63.4   | 65.1   | 49.7   | 39.4   |
| 2474.5  | 77.5° | 1295.5  | 150.8  | 68.5   | 56.6   | 29.1   | 27.4   | 41.1   | 41.1   | 27.4   | 15.4   |
| 497.0   | 80°   | 294.7   | 56.6   | 34.3   | 22.3   | 13.7   | 12.0   | 13.7   | 12.0   | 6.9    | 1.7    |
| 152.5   | 82.5° | 84.0    | 22.3   | 13.7   | 8.6    | 5.1    | 5.1    | 1.7    | 0.0    | 0.0    | 0.0    |
| 53.1    | 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°   |
|--------|
| 2750.4 |
| 2512.2 |
| 2119.8 |
| 1633.1 |
| 1199.6 |
| 1033.3 |
| 1004.2 |
| 975.1  |
| 944.2  |
| 915.1  |
| 886.0  |
| 856.8  |
| 826.0  |
| 784.9  |
| 730.0  |
| 646.0  |
| 553.5  |
| 457.5  |
| 378.7  |
| 322.2  |
| 291.3  |
| 270.8  |
| 248.5  |
| 226.2  |
| 195.4  |
| 147.4  |
| 114.8  |
| 96.0   |
| 75.4   |
| 54.8   |
| 34.3   |
| 12.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |