

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: P946030

Luminaire Tested: **GLAN-SB1D-760-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-760-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 900mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10953 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

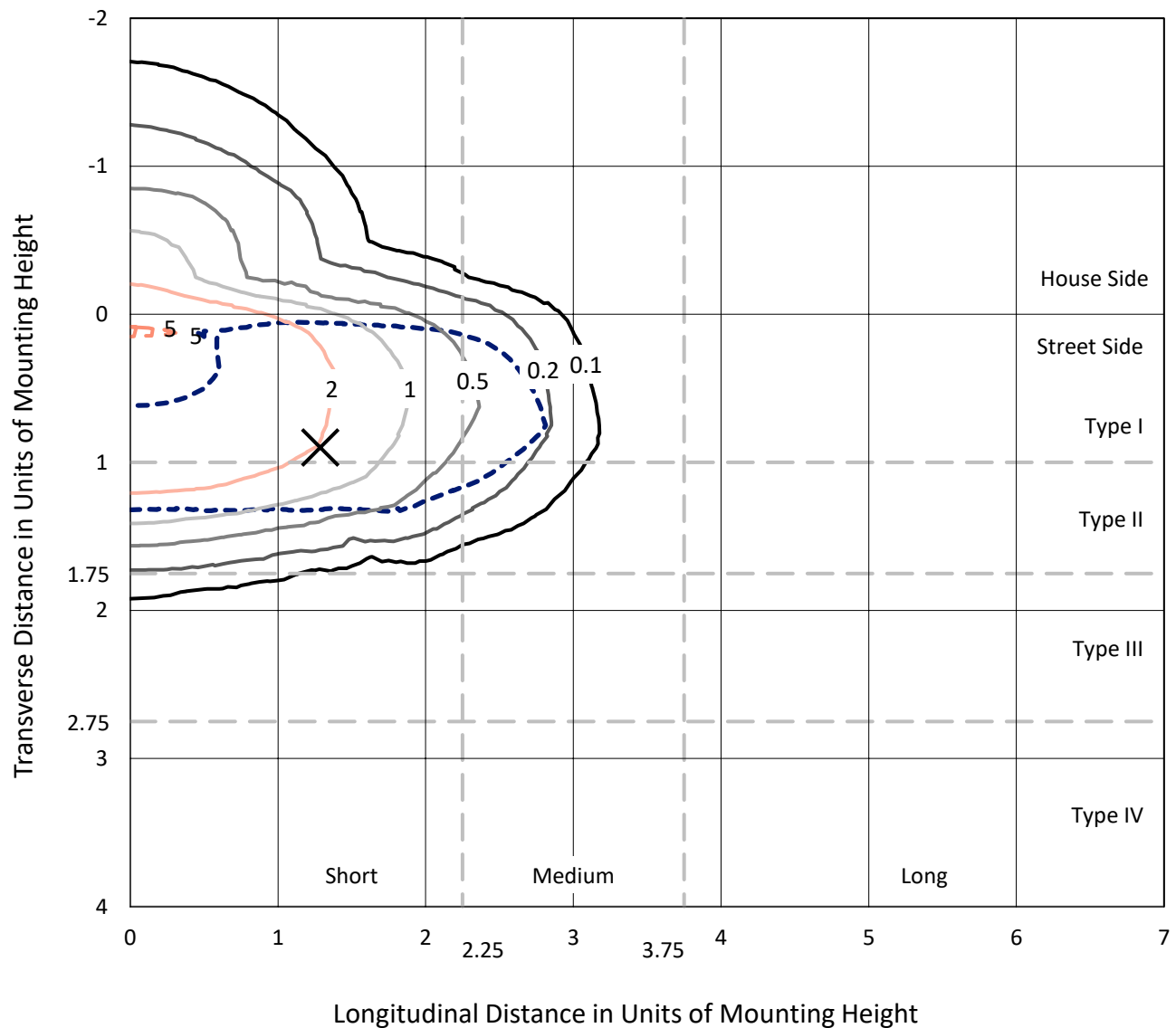
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

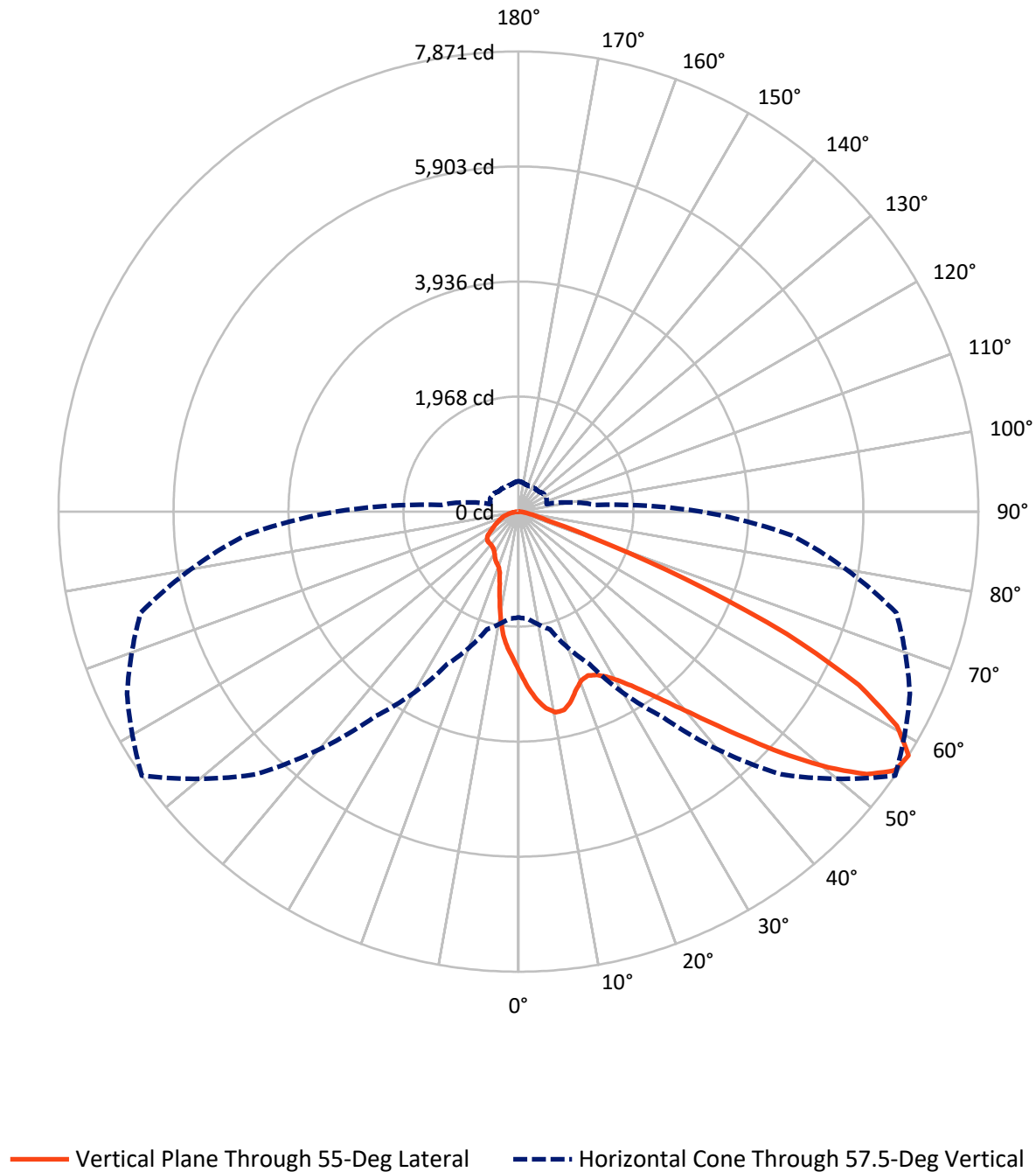
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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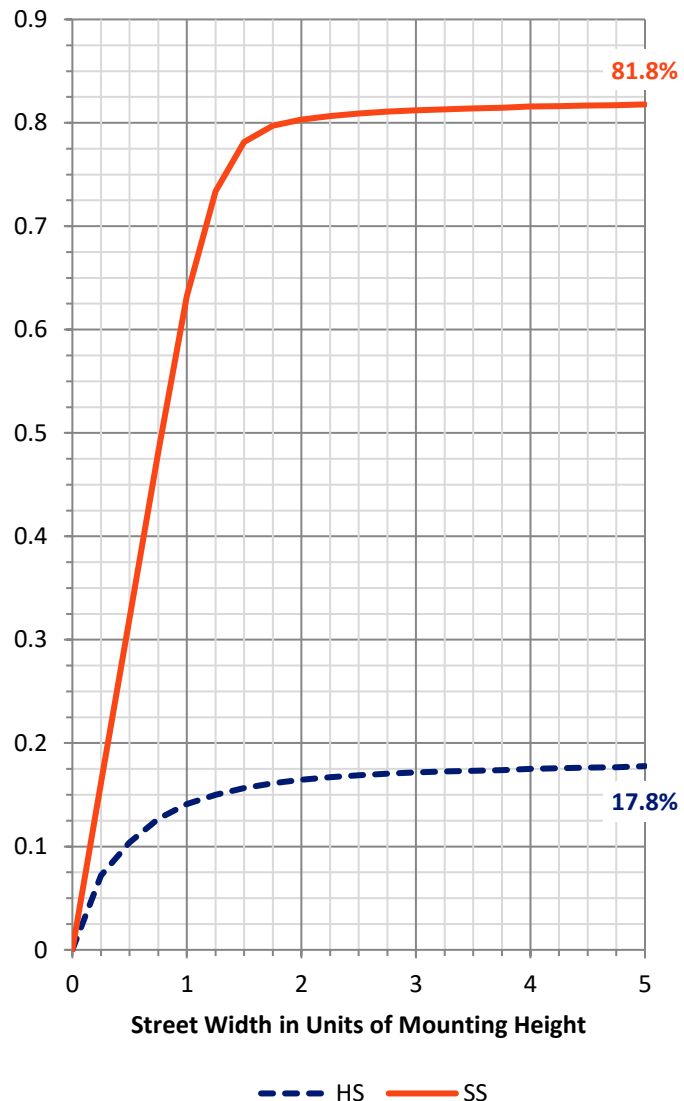
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1981.9   | 0.0    | 1981.9  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 8971.1   | 0.0    | 8971.1  |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 10953.0  | 0.0    | 10953.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 254.7   | 2.3       |
| 10°-20°   | 642.8   | 5.9       |
| 20°-30°   | 1025.7  | 9.4       |
| 30°-40°   | 1624.0  | 14.8      |
| 40°-50°   | 2485.7  | 22.7      |
| 50°-60°   | 2662.4  | 24.3      |
| 60°-70°   | 1674.9  | 15.3      |
| 70°-80°   | 495.3   | 4.5       |
| 80°-90°   | 87.6    | 0.8       |
| 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°    | 10953.0 | 100.0     |
| 0°-180°   | 10953.0 | 100.0     |

**Coefficient of Utilization**



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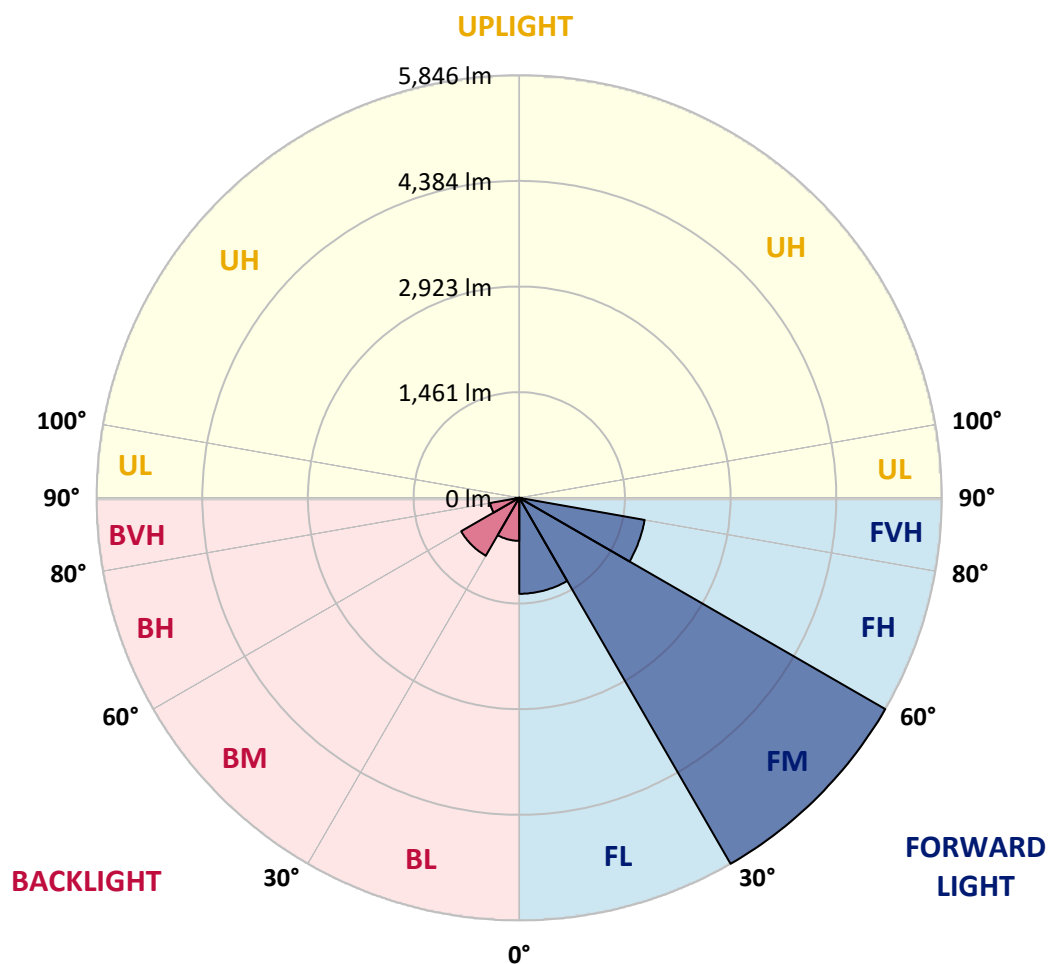
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1327.5 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 5845.7 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 1760.9 | 16.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 37.0   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 595.7  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 926.3  | 8.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 409.3  | 3.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 50.6   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 |
| 2.5°  | 3148.7 | 3146.5 | 3158.9 | 3116.5 | 3087.6 | 3048.5 | 2997.0 | 2931.3 | 2860.5 | 2785.8 |
| 5°    | 3432.4 | 3412.6 | 3425.6 | 3393.9 | 3362.2 | 3303.3 | 3226.9 | 3119.9 | 2989.1 | 2840.2 |
| 7.5°  | 3387.7 | 3374.1 | 3407.5 | 3435.8 | 3459.6 | 3452.2 | 3396.2 | 3284.1 | 3115.3 | 2899.0 |
| 10°   | 3027.0 | 3011.7 | 3058.7 | 3156.7 | 3300.5 | 3425.6 | 3493.6 | 3423.9 | 3244.4 | 2963.6 |
| 12.5° | 2708.8 | 2701.4 | 2732.6 | 2811.8 | 2971.5 | 3211.6 | 3481.1 | 3546.2 | 3378.6 | 3040.0 |
| 15°   | 2572.9 | 2563.8 | 2583.7 | 2623.9 | 2725.8 | 2949.4 | 3367.9 | 3630.0 | 3510.6 | 3128.4 |
| 17.5° | 2542.9 | 2532.7 | 2541.2 | 2562.1 | 2627.8 | 2798.3 | 3196.9 | 3671.4 | 3648.2 | 3226.9 |
| 20°   | 2598.4 | 2589.9 | 2591.0 | 2589.9 | 2635.8 | 2771.1 | 3078.0 | 3655.5 | 3768.2 | 3317.5 |
| 22.5° | 2732.6 | 2718.4 | 2719.0 | 2689.0 | 2713.9 | 2818.6 | 3046.8 | 3613.0 | 3875.2 | 3396.8 |
| 25°   | 2951.1 | 2925.7 | 2930.8 | 2854.3 | 2847.5 | 2925.1 | 3095.5 | 3580.2 | 3981.7 | 3460.2 |
| 27.5° | 3250.1 | 3221.2 | 3205.9 | 3092.1 | 3037.8 | 3076.3 | 3194.6 | 3591.5 | 4082.4 | 3515.1 |
| 30°   | 3623.8 | 3588.7 | 3557.6 | 3396.2 | 3297.7 | 3283.5 | 3348.6 | 3666.3 | 4201.3 | 3572.8 |
| 32.5° | 4081.9 | 4041.1 | 3984.5 | 3770.5 | 3631.7 | 3557.6 | 3547.9 | 3799.3 | 4340.6 | 3646.5 |
| 35°   | 4627.1 | 4573.9 | 4493.5 | 4216.6 | 4041.1 | 3889.4 | 3810.7 | 3991.3 | 4531.5 | 3757.4 |
| 37.5° | 5188.8 | 5128.8 | 5055.2 | 4725.7 | 4509.9 | 4286.3 | 4131.1 | 4251.7 | 4785.7 | 3908.0 |
| 40°   | 5706.9 | 5639.5 | 5571.0 | 5277.7 | 5046.1 | 4776.6 | 4523.5 | 4581.3 | 5096.5 | 4088.1 |
| 42.5° | 6012.7 | 5962.9 | 5936.8 | 5778.3 | 5599.3 | 5325.9 | 5011.6 | 4972.0 | 5445.9 | 4295.3 |
| 45°   | 5999.1 | 5978.7 | 6059.1 | 6124.8 | 6082.3 | 5930.6 | 5583.5 | 5404.0 | 5796.4 | 4474.8 |
| 47.5° | 5678.6 | 5692.2 | 5871.7 | 6240.9 | 6403.4 | 6482.6 | 6234.6 | 5828.1 | 6101.0 | 4609.0 |
| 50°   | 4806.6 | 4818.0 | 5233.6 | 6029.7 | 6486.0 | 6932.8 | 6880.7 | 6242.0 | 6337.1 | 4691.1 |
| 52.5° | 4116.4 | 4123.8 | 4302.1 | 5403.4 | 6213.1 | 7159.3 | 7462.8 | 6632.1 | 6509.8 | 4713.8 |
| 55°   | 3100.6 | 3126.1 | 3326.0 | 4239.3 | 5503.1 | 6979.8 | 7817.2 | 7034.1 | 6619.1 | 4716.0 |
| 57.5° | 1811.3 | 1839.1 | 2086.0 | 2877.5 | 4277.2 | 6354.1 | 7871.0 | 7390.9 | 6693.3 | 4697.9 |
| 60°   | 887.3  | 899.2  | 1006.7 | 1512.4 | 2637.5 | 5148.6 | 7438.4 | 7563.6 | 6734.6 | 4688.3 |
| 62.5° | 597.9  | 596.2  | 600.8  | 746.3  | 1299.5 | 3307.9 | 6537.0 | 7261.2 | 6712.5 | 4651.5 |
| 65°   | 514.1  | 507.9  | 490.9  | 523.8  | 673.2  | 1512.9 | 5050.7 | 6358.6 | 6544.4 | 4559.2 |
| 67.5° | 444.5  | 445.0  | 445.6  | 435.4  | 480.7  | 698.1  | 3086.5 | 5008.8 | 5940.8 | 4122.1 |
| 70°   | 368.0  | 373.1  | 375.4  | 375.4  | 391.8  | 458.1  | 1317.6 | 3433.0 | 4686.0 | 3232.0 |
| 72.5° | 335.2  | 324.4  | 325.6  | 319.9  | 319.9  | 348.8  | 530.5  | 1946.1 | 2952.3 | 1818.1 |
| 75°   | 273.5  | 280.3  | 281.4  | 277.4  | 264.4  | 266.1  | 314.8  | 816.5  | 1263.2 | 754.2  |
| 77.5° | 236.1  | 236.1  | 238.4  | 235.5  | 225.4  | 199.3  | 210.1  | 316.5  | 429.8  | 309.2  |
| 80°   | 189.7  | 189.1  | 198.7  | 204.4  | 188.6  | 147.2  | 134.2  | 175.0  | 190.8  | 135.9  |
| 82.5° | 92.3   | 98.0   | 136.5  | 155.7  | 143.3  | 106.4  | 82.1   | 108.7  | 101.9  | 60.0   |
| 85°   | 53.8   | 51.0   | 61.2   | 86.6   | 82.1   | 58.9   | 39.6   | 56.6   | 53.2   | 30.6   |
| 87.5° | 17.0   | 15.9   | 12.5   | 29.4   | 23.8   | 16.4   | 10.8   | 16.4   | 14.7   | 6.8    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2744.5 | 0°    | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 | 2744.5 |
| 2753.5 | 2.5°  | 2713.3 | 2646.5 | 2580.3 | 2519.7 | 2482.9 | 2459.1 | 2435.3 | 2408.7 | 2398.5 | 2383.2 |
| 2760.9 | 5°    | 2686.1 | 2557.0 | 2442.1 | 2343.0 | 2253.0 | 2182.2 | 2110.9 | 2053.1 | 2027.1 | 2044.6 |
| 2784.1 | 7.5°  | 2670.3 | 2483.4 | 2306.2 | 2124.5 | 1949.5 | 1809.6 | 1687.9 | 1602.4 | 1563.9 | 1573.5 |
| 2806.8 | 10°   | 2656.1 | 2400.2 | 2130.1 | 1843.0 | 1591.6 | 1418.4 | 1293.8 | 1228.7 | 1204.3 | 1209.4 |
| 2837.3 | 12.5° | 2643.1 | 2306.8 | 1917.8 | 1540.1 | 1272.9 | 1158.5 | 1122.8 | 1123.4 | 1127.9 | 1131.3 |
| 2886.0 | 15°   | 2640.8 | 2194.1 | 1680.5 | 1275.1 | 1100.7 | 1093.4 | 1131.9 | 1156.2 | 1169.2 | 1173.2 |
| 2926.8 | 17.5° | 2637.5 | 2059.3 | 1438.8 | 1094.5 | 1058.8 | 1108.7 | 1144.3 | 1160.2 | 1170.4 | 1170.9 |
| 2966.4 | 20°   | 2623.9 | 1888.3 | 1215.7 | 1008.4 | 1049.8 | 1092.8 | 1114.9 | 1127.3 | 1135.8 | 1138.7 |
| 2996.4 | 22.5° | 2582.0 | 1698.1 | 1041.8 | 969.9  | 1013.5 | 1048.1 | 1074.1 | 1088.3 | 1093.4 | 1096.8 |
| 3002.1 | 25°   | 2506.7 | 1485.2 | 921.8  | 933.1  | 963.1  | 1006.7 | 1027.7 | 1030.5 | 1028.8 | 1033.9 |
| 2987.9 | 27.5° | 2408.1 | 1257.0 | 847.1  | 883.3  | 921.8  | 959.2  | 970.5  | 968.8  | 965.4  | 971.1  |
| 2963.6 | 30°   | 2289.2 | 1052.0 | 799.5  | 827.2  | 879.9  | 913.9  | 924.1  | 920.1  | 913.3  | 919.5  |
| 2951.1 | 32.5° | 2163.5 | 884.4  | 760.4  | 788.2  | 845.4  | 878.8  | 889.0  | 885.0  | 879.9  | 885.0  |
| 2965.3 | 35°   | 2046.3 | 767.2  | 724.2  | 762.1  | 818.2  | 851.0  | 864.1  | 864.6  | 864.6  | 870.8  |
| 3002.7 | 37.5° | 1938.7 | 698.7  | 694.2  | 745.7  | 799.5  | 828.9  | 847.6  | 848.8  | 824.4  | 826.1  |
| 3066.1 | 40°   | 1839.1 | 669.8  | 680.6  | 735.0  | 781.4  | 809.7  | 810.8  | 747.4  | 702.7  | 701.5  |
| 3138.6 | 42.5° | 1757.5 | 664.2  | 684.6  | 733.8  | 768.4  | 769.5  | 689.7  | 640.4  | 627.9  | 628.5  |
| 3205.4 | 45°   | 1681.1 | 662.5  | 693.6  | 733.8  | 749.1  | 664.7  | 611.0  | 597.9  | 599.1  | 603.6  |
| 3235.4 | 47.5° | 1595.6 | 655.7  | 695.3  | 723.6  | 693.6  | 591.1  | 575.3  | 569.6  | 567.4  | 568.5  |
| 3228.6 | 50°   | 1502.2 | 631.3  | 673.8  | 703.2  | 598.5  | 559.4  | 539.6  | 537.9  | 540.7  | 542.4  |
| 3190.6 | 52.5° | 1403.7 | 591.7  | 637.0  | 666.4  | 554.9  | 531.7  | 509.6  | 513.6  | 526.0  | 530.0  |
| 3151.0 | 55°   | 1339.1 | 545.3  | 588.3  | 592.8  | 524.3  | 505.6  | 486.9  | 496.0  | 519.2  | 526.6  |
| 3127.2 | 57.5° | 1322.1 | 496.0  | 532.8  | 527.7  | 485.3  | 483.0  | 471.7  | 479.6  | 509.0  | 519.8  |
| 3126.1 | 60°   | 1317.0 | 451.8  | 478.5  | 474.5  | 447.3  | 458.1  | 455.2  | 459.2  | 469.4  | 472.8  |
| 3114.8 | 62.5° | 1277.4 | 416.7  | 429.8  | 424.1  | 413.3  | 432.0  | 438.8  | 430.3  | 438.3  | 442.2  |
| 3037.2 | 65°   | 1176.6 | 388.4  | 382.2  | 378.2  | 382.8  | 399.8  | 413.3  | 396.4  | 403.7  | 415.0  |
| 2738.2 | 67.5° | 1010.1 | 349.9  | 332.9  | 337.5  | 351.6  | 360.7  | 378.2  | 359.0  | 365.2  | 384.5  |
| 2205.4 | 70°   | 817.1  | 301.2  | 285.9  | 299.0  | 312.6  | 331.2  | 334.1  | 321.0  | 335.8  | 357.3  |
| 1345.9 | 72.5° | 578.1  | 252.0  | 241.2  | 267.8  | 272.4  | 296.7  | 290.5  | 284.2  | 304.6  | 312.0  |
| 665.3  | 75°   | 400.9  | 203.3  | 197.0  | 217.4  | 233.8  | 254.8  | 250.3  | 257.6  | 300.7  | 304.1  |
| 332.4  | 77.5° | 253.7  | 158.0  | 154.0  | 167.0  | 189.7  | 212.9  | 220.3  | 304.1  | 513.6  | 533.9  |
| 172.7  | 80°   | 147.2  | 117.8  | 113.2  | 123.4  | 143.3  | 164.8  | 212.3  | 373.1  | 338.6  | 334.6  |
| 77.6   | 82.5° | 82.1   | 81.0   | 75.3   | 78.1   | 95.7   | 118.9  | 300.1  | 262.7  | 213.5  | 220.3  |
| 31.1   | 85°   | 38.5   | 47.6   | 40.8   | 39.1   | 53.8   | 139.3  | 200.4  | 150.0  | 99.7   | 97.4   |
| 6.8    | 87.5° | 10.2   | 9.1    | 9.1    | 10.2   | 22.6   | 120.0  | 79.8   | 64.0   | 37.9   | 36.8   |
| 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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