

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: P950748

Luminaire Tested: **GLAN-SB5A-835-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-835-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17498 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 141.7  
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



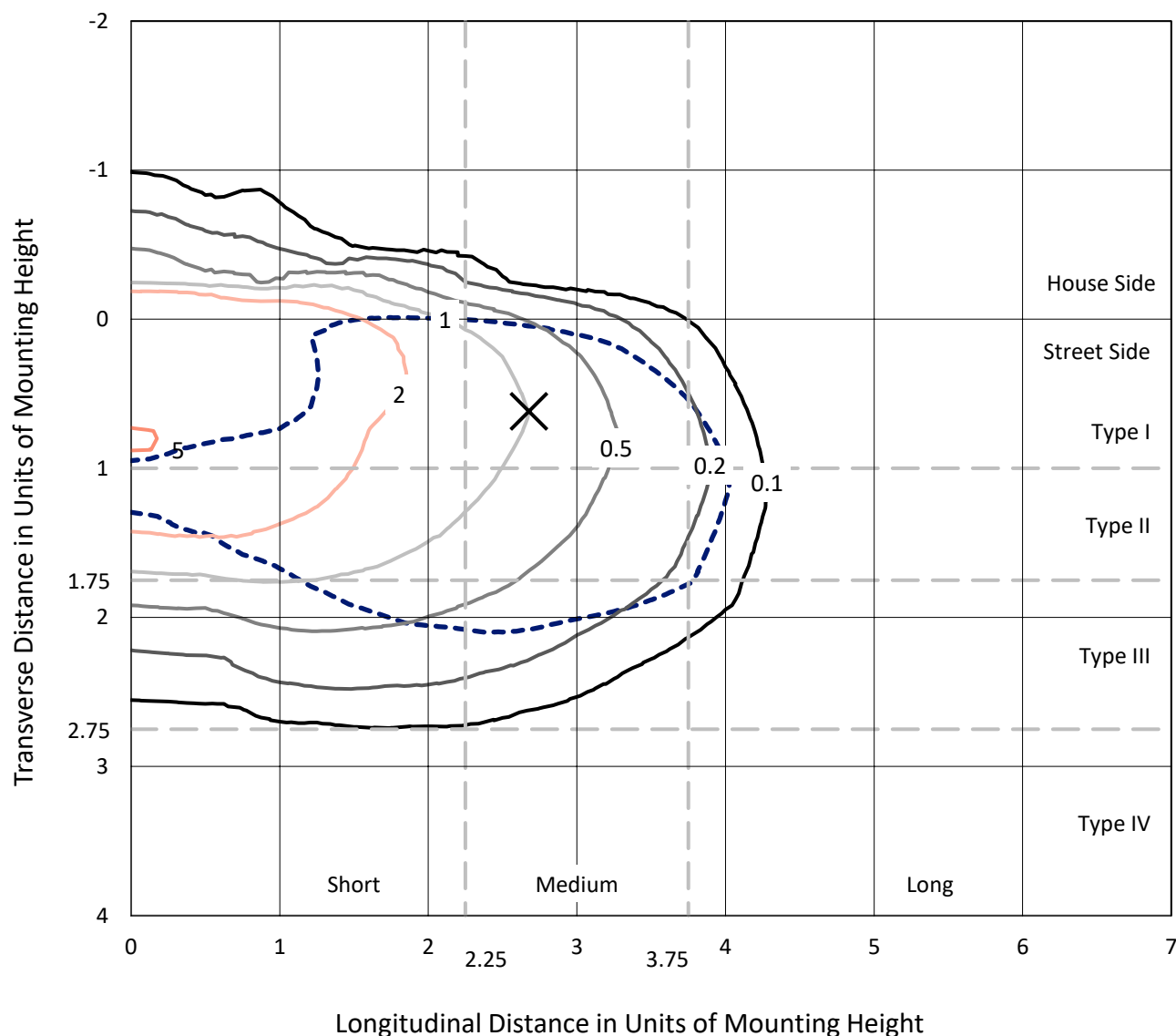
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

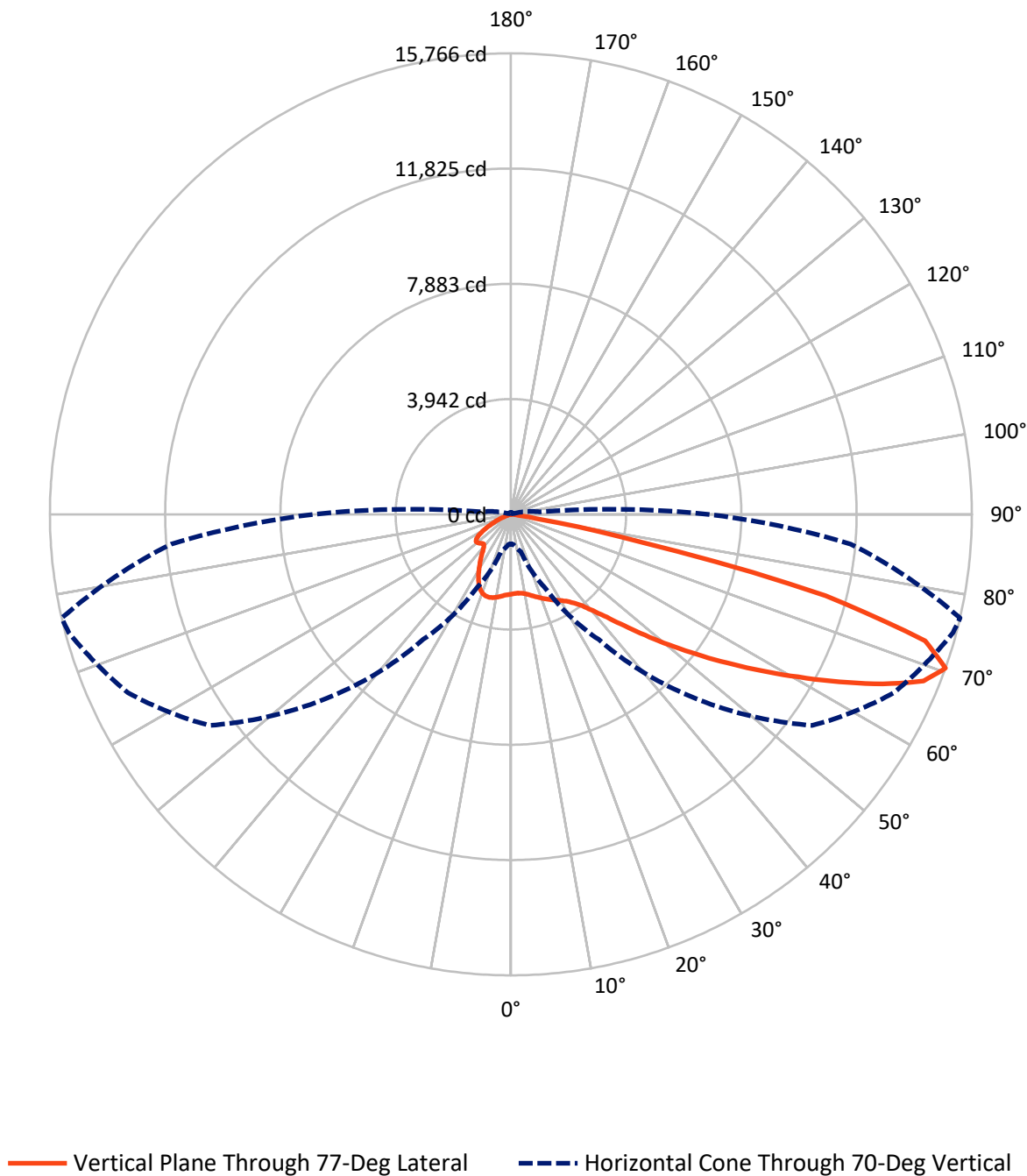
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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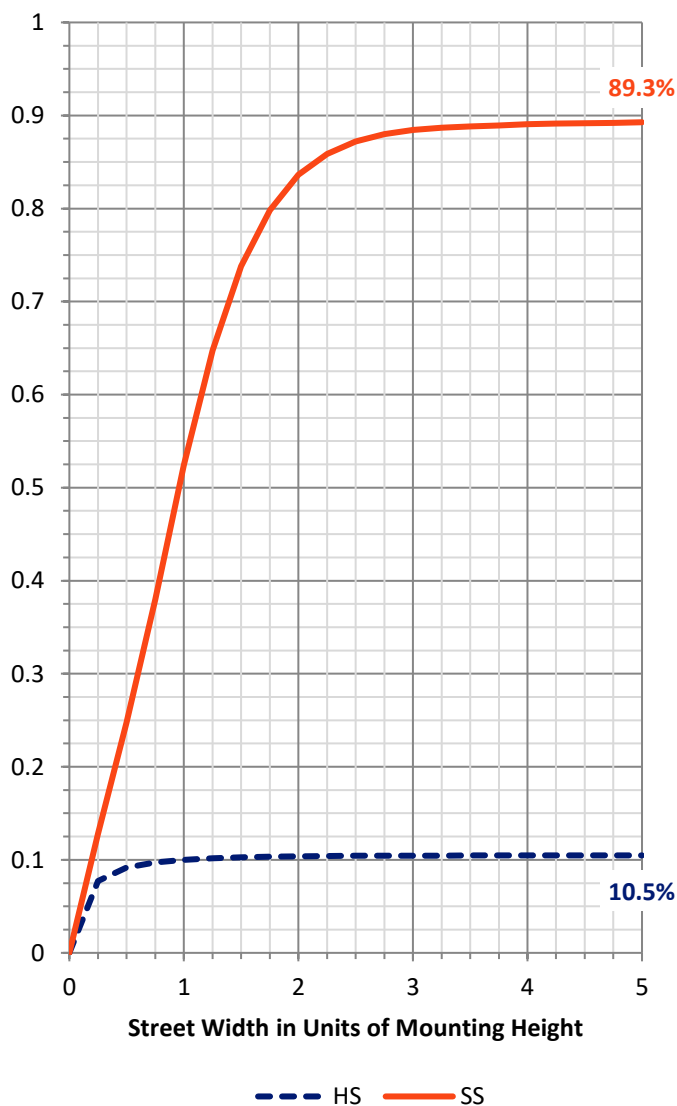
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1844.5   | 0.0    | 1844.5  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 15653.5  | 0.0    | 15653.5 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 17498.0  | 0.0    | 17498.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 235.2   | 1.3       |
| 10°-20°   | 558.4   | 3.2       |
| 20°-30°   | 863.7   | 4.9       |
| 30°-40°   | 1567.2  | 9.0       |
| 40°-50°   | 2958.3  | 16.9      |
| 50°-60°   | 4274.5  | 24.4      |
| 60°-70°   | 4550.1  | 26.0      |
| 70°-80°   | 2411.3  | 13.8      |
| 80°-90°   | 79.2    | 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°    | 17498.0 | 100.0     |
| 0°-180°   | 17498.0 | 100.0     |

**Coefficient of Utilization**



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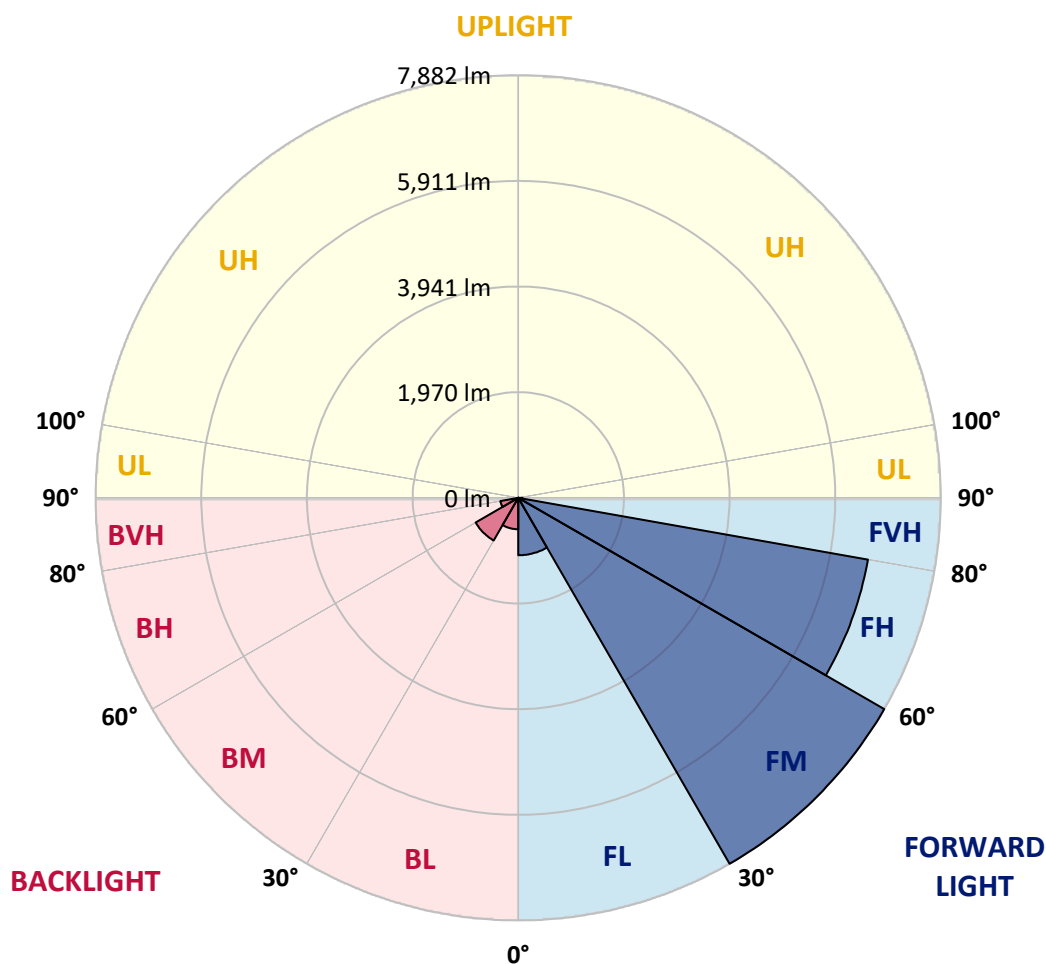
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1071.3 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 7881.9 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 6623.2 | 37.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 77.0   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 586.0  | 3.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 918.2  | 5.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 338.1  | 1.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.1    | 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-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0°    | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4  | 2729.4  | 2729.4  | 2729.4  | 2729.4  | 2729.4  |
| 2.5°  | 2562.5 | 2585.7 | 2582.4 | 2597.9 | 2603.4  | 2625.5  | 2647.6  | 2677.4  | 2710.6  | 2709.5  |
| 5°    | 2417.8 | 2441.0 | 2446.5 | 2467.5 | 2494.0  | 2528.3  | 2573.6  | 2633.2  | 2695.1  | 2705.1  |
| 7.5°  | 2246.5 | 2270.8 | 2285.2 | 2327.1 | 2375.8  | 2446.5  | 2520.5  | 2607.8  | 2710.6  | 2725.0  |
| 10°   | 2075.2 | 2097.3 | 2116.1 | 2175.8 | 2253.1  | 2358.1  | 2478.5  | 2604.5  | 2742.6  | 2763.6  |
| 12.5° | 1969.1 | 1990.1 | 2011.1 | 2063.1 | 2159.2  | 2287.4  | 2450.9  | 2620.0  | 2795.7  | 2825.5  |
| 15°   | 1931.6 | 1950.3 | 1966.9 | 2013.3 | 2102.8  | 2248.7  | 2445.4  | 2652.0  | 2863.1  | 2902.9  |
| 17.5° | 1937.1 | 1947.0 | 1958.1 | 1993.4 | 2080.7  | 2231.0  | 2455.3  | 2707.3  | 2942.6  | 2978.0  |
| 20°   | 1969.1 | 1974.7 | 1975.8 | 2000.1 | 2077.4  | 2228.8  | 2475.2  | 2760.3  | 3017.8  | 3065.3  |
| 22.5° | 2010.0 | 2012.2 | 2010.0 | 2026.6 | 2098.4  | 2245.4  | 2501.7  | 2824.4  | 3101.8  | 3146.0  |
| 25°   | 2201.2 | 2159.2 | 2106.1 | 2074.1 | 2133.8  | 2277.4  | 2541.5  | 2910.6  | 3193.5  | 3236.6  |
| 27.5° | 2794.6 | 2674.1 | 2484.1 | 2270.8 | 2206.7  | 2323.8  | 2596.8  | 2997.9  | 3286.3  | 3325.0  |
| 30°   | 3758.1 | 3600.1 | 3277.5 | 2796.8 | 2441.0  | 2421.1  | 2668.6  | 3085.2  | 3384.6  | 3426.6  |
| 32.5° | 4723.9 | 4685.2 | 4312.8 | 3647.6 | 2968.1  | 2637.7  | 2787.9  | 3203.4  | 3515.0  | 3548.2  |
| 35°   | 5700.7 | 5622.3 | 5317.3 | 4659.8 | 3780.2  | 3078.6  | 2986.8  | 3358.1  | 3686.3  | 3723.9  |
| 37.5° | 6448.8 | 6401.3 | 6212.4 | 5670.9 | 4743.8  | 3759.2  | 3327.2  | 3597.9  | 3934.9  | 3976.9  |
| 40°   | 7109.6 | 7087.5 | 7023.4 | 6666.5 | 5821.2  | 4649.9  | 3856.5  | 3969.2  | 4279.7  | 4329.4  |
| 42.5° | 7629.0 | 7680.9 | 7717.4 | 7617.9 | 6931.7  | 5666.5  | 4568.1  | 4490.8  | 4760.4  | 4811.2  |
| 45°   | 8160.5 | 8178.2 | 8325.1 | 8468.8 | 8034.5  | 6729.5  | 5370.3  | 5101.8  | 5358.2  | 5421.2  |
| 47.5° | 8501.9 | 8572.7 | 8831.2 | 9084.3 | 8961.6  | 7783.7  | 6232.3  | 5823.4  | 6051.0  | 6169.3  |
| 50°   | 8527.4 | 8661.1 | 9016.9 | 9457.8 | 9636.8  | 8787.0  | 7169.3  | 6645.5  | 6887.5  | 7017.9  |
| 52.5° | 8104.1 | 8311.9 | 8863.3 | 9508.6 | 10001.4 | 9636.8  | 8138.4  | 7467.7  | 7778.2  | 7948.3  |
| 55°   | 6213.5 | 6485.3 | 8285.4 | 9232.3 | 10015.8 | 10281.0 | 9082.1  | 8324.0  | 8770.5  | 8962.7  |
| 57.5° | 5413.4 | 5550.5 | 6514.0 | 8752.8 | 9749.5  | 10540.7 | 9935.1  | 9139.5  | 9850.0  | 10088.7 |
| 60°   | 4504.0 | 4684.1 | 5463.2 | 7968.2 | 9388.2  | 10566.1 | 10688.8 | 10191.5 | 11020.3 | 11288.8 |
| 62.5° | 3060.9 | 3256.5 | 4031.1 | 6620.1 | 8894.2  | 10553.9 | 11306.5 | 11274.4 | 12320.8 | 12609.3 |
| 65°   | 1896.2 | 2018.9 | 2529.4 | 5405.7 | 8203.6  | 10567.2 | 11952.9 | 12589.4 | 13693.3 | 13986.1 |
| 67.5° | 1498.4 | 1554.7 | 1821.1 | 4150.4 | 7013.5  | 10268.8 | 12598.2 | 13825.9 | 14985.0 | 15217.1 |
| 70°   | 1006.7 | 1040.9 | 1324.9 | 2782.4 | 5217.9  | 8892.0  | 12586.1 | 14446.9 | 15650.2 | 15766.3 |
| 72.5° | 530.4  | 556.9  | 774.6  | 1288.4 | 3151.5  | 6320.7  | 10609.2 | 13704.3 | 14988.3 | 14813.7 |
| 75°   | 265.2  | 309.4  | 521.6  | 654.2  | 1345.9  | 3525.0  | 6588.1  | 10804.8 | 11797.1 | 11120.8 |
| 77.5° | 201.1  | 243.1  | 431.0  | 431.0  | 468.5   | 1186.8  | 2790.1  | 5893.0  | 5435.5  | 4526.1  |
| 80°   | 128.2  | 165.8  | 376.8  | 326.0  | 195.6   | 301.7   | 727.1   | 1650.9  | 1154.7  | 878.5   |
| 82.5° | 75.1   | 108.3  | 313.8  | 215.5  | 109.4   | 111.6   | 205.5   | 351.4   | 299.5   | 233.2   |
| 85°   | 29.8   | 70.7   | 215.5  | 85.1   | 43.1    | 27.6    | 61.9    | 75.1    | 61.9    | 46.4    |
| 87.5° | 0.0    | 16.6   | 37.6   | 0.0    | 3.3     | 2.2     | 4.4     | 5.5     | 5.5     | 4.4     |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2729.4  | 0°    | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 | 2729.4 |
| 2731.6  | 2.5°  | 2741.5 | 2743.7 | 2750.4 | 2751.5 | 2736.0 | 2716.1 | 2708.4 | 2705.1 | 2691.8 | 2690.7 |
| 2749.3  | 5°    | 2774.7 | 2784.6 | 2774.7 | 2745.9 | 2677.4 | 2581.3 | 2508.4 | 2448.7 | 2394.6 | 2378.0 |
| 2810.0  | 7.5°  | 2841.0 | 2850.9 | 2821.1 | 2708.4 | 2536.0 | 2344.8 | 2172.4 | 2050.9 | 1941.5 | 1900.6 |
| 2884.1  | 10°   | 2936.0 | 2949.3 | 2855.3 | 2627.7 | 2322.7 | 2015.5 | 1723.8 | 1518.3 | 1358.1 | 1292.9 |
| 2984.6  | 12.5° | 3055.3 | 3060.9 | 2874.1 | 2505.1 | 2045.4 | 1606.7 | 1193.4 | 973.5  | 831.0  | 777.9  |
| 3106.2  | 15°   | 3186.8 | 3179.1 | 2876.3 | 2338.2 | 1667.5 | 1135.9 | 779.0  | 639.8  | 582.3  | 564.7  |
| 3227.7  | 17.5° | 3325.0 | 3292.9 | 2832.1 | 2097.3 | 1253.1 | 776.8  | 577.9  | 544.8  | 534.8  | 530.4  |
| 3348.2  | 20°   | 3460.9 | 3389.1 | 2751.5 | 1782.4 | 899.5  | 580.1  | 524.9  | 514.9  | 509.4  | 507.2  |
| 3469.7  | 22.5° | 3584.6 | 3462.0 | 2613.3 | 1416.6 | 653.1  | 512.7  | 496.1  | 487.3  | 477.4  | 472.9  |
| 3588.0  | 25°   | 3705.1 | 3504.0 | 2418.9 | 1075.2 | 522.7  | 479.6  | 466.3  | 449.7  | 436.5  | 431.0  |
| 3715.0  | 27.5° | 3822.2 | 3530.5 | 2175.8 | 795.6  | 466.3  | 448.6  | 424.3  | 401.1  | 391.2  | 389.0  |
| 3851.0  | 30°   | 3947.1 | 3539.3 | 1899.5 | 593.4  | 432.1  | 410.0  | 374.6  | 348.1  | 342.6  | 343.7  |
| 4034.4  | 32.5° | 4099.6 | 3552.6 | 1621.0 | 486.2  | 403.3  | 363.5  | 321.6  | 293.9  | 289.5  | 293.9  |
| 4301.8  | 35°   | 4281.9 | 3579.1 | 1352.5 | 447.5  | 377.9  | 316.0  | 270.7  | 247.5  | 243.1  | 246.4  |
| 4644.4  | 37.5° | 4529.4 | 3622.2 | 1101.7 | 439.8  | 356.9  | 276.3  | 227.6  | 208.8  | 208.8  | 210.0  |
| 5064.3  | 40°   | 4858.7 | 3737.1 | 877.4  | 434.3  | 345.9  | 246.4  | 192.3  | 184.5  | 187.9  | 190.1  |
| 5599.1  | 42.5° | 5259.8 | 3981.3 | 726.0  | 427.6  | 333.7  | 233.2  | 174.6  | 171.3  | 176.8  | 179.0  |
| 6240.0  | 45°   | 5709.6 | 4290.7 | 673.0  | 416.6  | 322.7  | 242.0  | 166.9  | 162.4  | 169.1  | 170.2  |
| 6958.2  | 47.5° | 6174.8 | 4593.5 | 666.3  | 404.4  | 311.6  | 255.3  | 164.6  | 154.7  | 162.4  | 163.5  |
| 7725.1  | 50°   | 6645.5 | 4791.3 | 673.0  | 385.6  | 293.9  | 255.3  | 165.8  | 147.0  | 153.6  | 156.9  |
| 8520.7  | 52.5° | 7119.6 | 4881.9 | 668.5  | 344.8  | 263.0  | 239.8  | 165.8  | 140.3  | 147.0  | 149.2  |
| 9380.4  | 55°   | 7579.3 | 4864.2 | 601.1  | 284.0  | 223.2  | 212.2  | 161.3  | 134.8  | 139.2  | 140.3  |
| 10192.6 | 57.5° | 7942.8 | 4617.8 | 476.3  | 221.0  | 181.2  | 176.8  | 147.0  | 128.2  | 131.5  | 130.4  |
| 10937.4 | 60°   | 8132.9 | 4076.4 | 340.3  | 170.2  | 142.5  | 139.2  | 129.3  | 119.3  | 121.6  | 116.0  |
| 11568.3 | 62.5° | 8135.1 | 3360.3 | 227.6  | 134.8  | 113.8  | 110.5  | 110.5  | 107.2  | 105.0  | 93.9   |
| 12056.8 | 65°   | 7961.6 | 2565.8 | 151.4  | 107.2  | 91.7   | 86.2   | 92.8   | 91.7   | 84.0   | 68.5   |
| 12205.9 | 67.5° | 7568.2 | 1681.8 | 114.9  | 84.0   | 70.7   | 67.4   | 74.0   | 77.4   | 71.8   | 57.5   |
| 11662.3 | 70°   | 6759.3 | 979.0  | 95.0   | 65.2   | 53.0   | 49.7   | 59.7   | 66.3   | 59.7   | 46.4   |
| 9968.3  | 72.5° | 5614.6 | 528.2  | 77.4   | 48.6   | 36.5   | 33.2   | 47.5   | 54.1   | 47.5   | 34.3   |
| 6395.8  | 75°   | 3643.2 | 282.9  | 59.7   | 32.0   | 18.8   | 21.0   | 35.4   | 39.8   | 33.2   | 22.1   |
| 1877.4  | 77.5° | 1223.2 | 124.9  | 37.6   | 15.5   | 8.8    | 8.8    | 21.0   | 24.3   | 15.5   | 7.7    |
| 341.4   | 80°   | 272.9  | 51.9   | 15.5   | 6.6    | 3.3    | 3.3    | 4.4    | 4.4    | 2.2    | 0.0    |
| 105.0   | 82.5° | 89.5   | 21.0   | 6.6    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 26.5    | 85°   | 34.3   | 7.7    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 8.8     | 87.5° | 13.3   | 1.1    | 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°   |
|--------|
| 2729.4 |
| 2692.9 |
| 2368.0 |
| 1884.0 |
| 1265.2 |
| 761.4  |
| 564.7  |
| 529.3  |
| 505.0  |
| 471.8  |
| 428.7  |
| 386.8  |
| 343.7  |
| 292.8  |
| 245.3  |
| 208.8  |
| 190.1  |
| 179.0  |
| 171.3  |
| 164.6  |
| 158.0  |
| 149.2  |
| 140.3  |
| 130.4  |
| 114.9  |
| 90.6   |
| 66.3   |
| 56.4   |
| 44.2   |
| 33.2   |
| 19.9   |
| 6.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |