

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: P953581

Luminaire Tested: **GLAN-SB7A-830-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-830-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21907 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

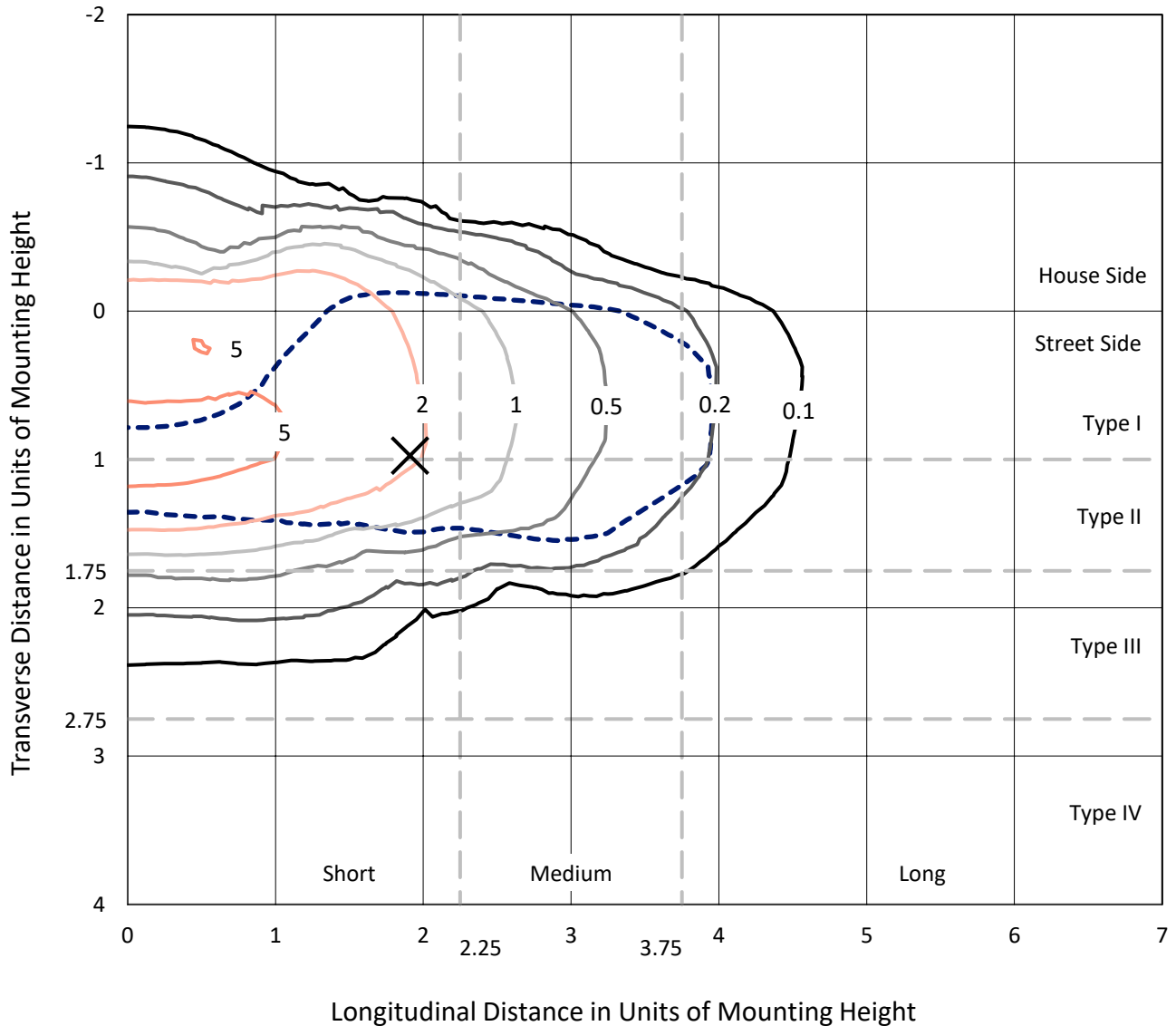
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

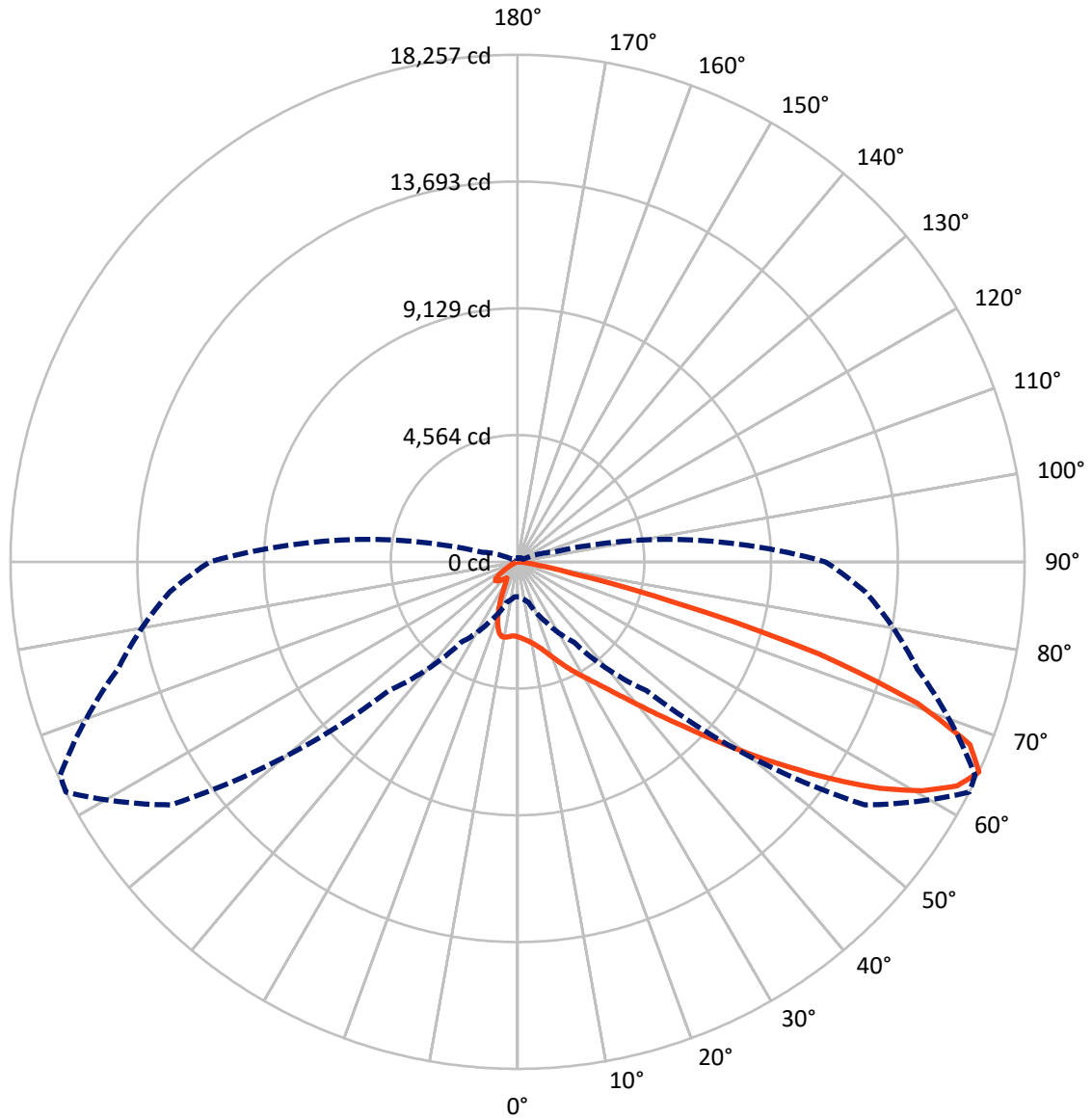
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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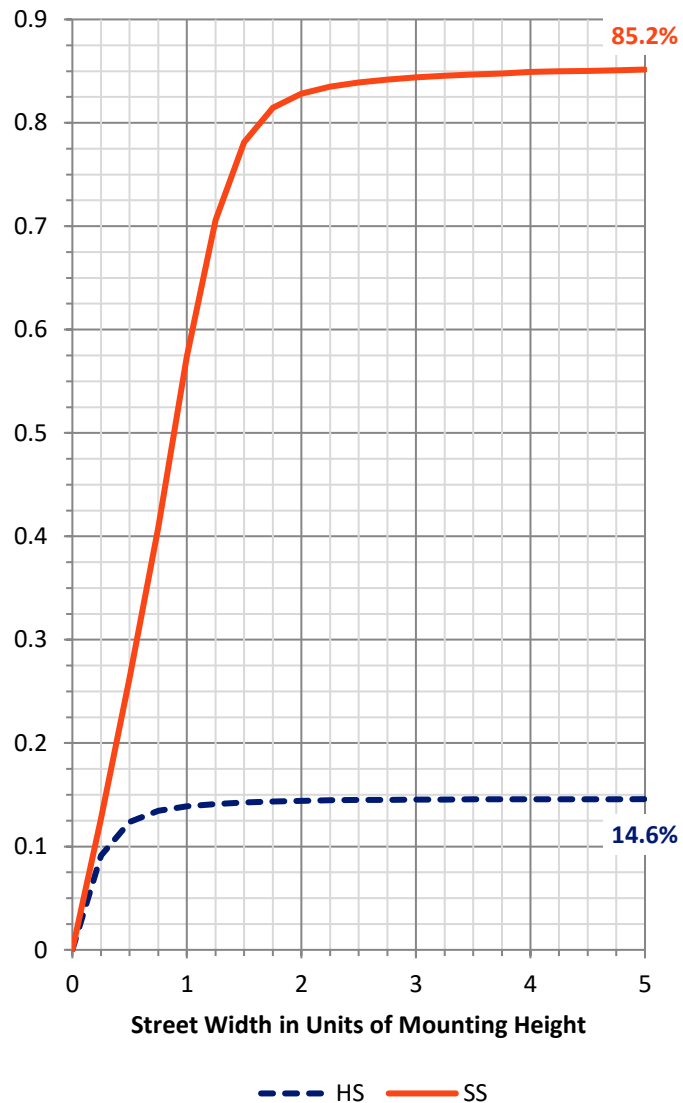
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3220.2   | 0.0    | 3220.2  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 18686.9  | 0.0    | 18686.9 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 21907.0  | 0.0    | 21907.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 254.7   | 1.2       |
| 10°-20°   | 706.8   | 3.2       |
| 20°-30°   | 1230.8  | 5.6       |
| 30°-40°   | 2218.3  | 10.1      |
| 40°-50°   | 4399.6  | 20.1      |
| 50°-60°   | 5993.0  | 27.4      |
| 60°-70°   | 4783.6  | 21.8      |
| 70°-80°   | 2164.7  | 9.9       |
| 80°-90°   | 155.6   | 0.7       |
| 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°    | 21907.0 | 100.0     |
| 0°-180°   | 21907.0 | 100.0     |

**Coefficient of Utilization**

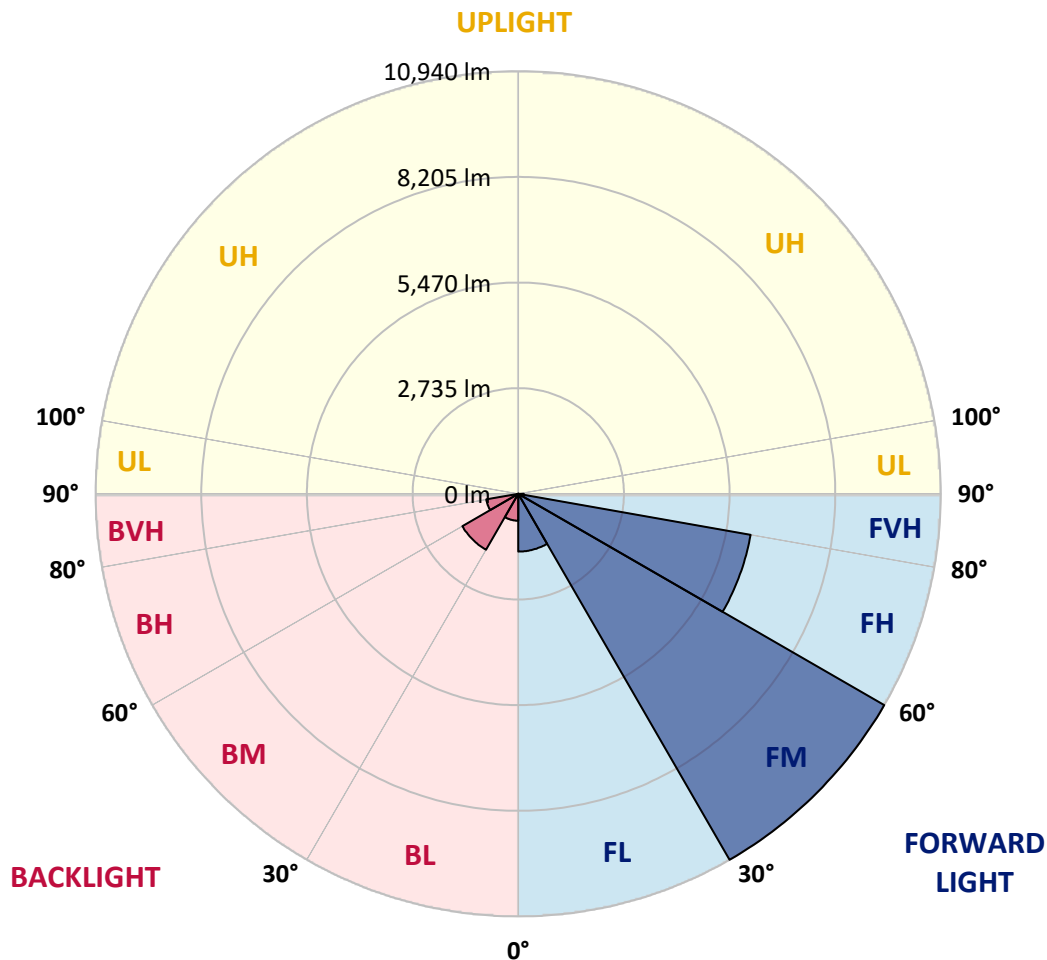


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 1495.4  | 6.8       |                         |      |         |
| FM (30°-60°)   | 10939.8 | 49.9      |                         |      |         |
| FH (60°-80°)   | 6107.6  | 27.9      |                         |      | G3/7500 |
| FVH (80°-90°)  | 144.0   | 0.7       |                         |      | G2/225  |
| BL (0°-30°)    | 696.9   | 3.2       | B2/1000                 |      |         |
| BM (30°-60°)   | 1671.1  | 7.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 840.7   | 3.8       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 11.5    | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  | 2703.7  |
| 2.5°  | 2767.0  | 2759.5  | 2770.1  | 2765.5  | 2762.5  | 2756.5  | 2753.5  | 2750.5  | 2744.4  | 2739.9  |
| 5°    | 2774.6  | 2770.1  | 2780.6  | 2789.6  | 2798.7  | 2807.7  | 2812.2  | 2818.3  | 2812.2  | 2800.2  |
| 7.5°  | 2711.3  | 2708.3  | 2730.9  | 2758.0  | 2798.7  | 2833.3  | 2871.0  | 2892.1  | 2893.6  | 2889.1  |
| 10°   | 2706.8  | 2699.2  | 2721.8  | 2755.0  | 2807.7  | 2869.5  | 2935.8  | 2981.0  | 2987.1  | 3006.7  |
| 12.5° | 2777.6  | 2770.1  | 2801.7  | 2837.9  | 2892.1  | 2956.9  | 3038.3  | 3101.6  | 3110.7  | 3137.8  |
| 15°   | 2896.6  | 2886.1  | 2922.3  | 2969.0  | 3038.3  | 3112.2  | 3198.1  | 3255.3  | 3262.9  | 3296.0  |
| 17.5° | 3035.3  | 3024.8  | 3066.9  | 3116.7  | 3192.0  | 3293.0  | 3392.5  | 3455.8  | 3464.8  | 3485.9  |
| 20°   | 3213.1  | 3199.6  | 3232.7  | 3277.9  | 3357.8  | 3478.4  | 3597.4  | 3687.9  | 3686.4  | 3686.4  |
| 22.5° | 3419.6  | 3398.5  | 3427.1  | 3463.3  | 3538.7  | 3684.9  | 3843.1  | 3950.1  | 3950.1  | 3907.9  |
| 25°   | 3641.2  | 3620.1  | 3651.7  | 3684.9  | 3751.2  | 3917.0  | 4102.3  | 4235.0  | 4241.0  | 4168.6  |
| 27.5° | 3918.5  | 3891.3  | 3915.4  | 3954.6  | 3993.8  | 4162.6  | 4382.6  | 4536.4  | 4539.4  | 4427.9  |
| 30°   | 4452.0  | 4375.1  | 4299.8  | 4257.6  | 4275.6  | 4442.9  | 4678.0  | 4848.3  | 4863.4  | 4709.7  |
| 32.5° | 5428.6  | 5413.5  | 5148.3  | 4801.6  | 4620.8  | 4744.4  | 5008.1  | 5213.1  | 5222.1  | 5024.7  |
| 35°   | 6946.2  | 6928.1  | 6501.6  | 5841.5  | 5252.2  | 5148.3  | 5409.0  | 5651.6  | 5645.6  | 5422.5  |
| 37.5° | 8757.8  | 8741.2  | 8179.0  | 7295.9  | 6341.9  | 5758.6  | 5925.9  | 6180.6  | 6218.3  | 5925.9  |
| 40°   | 10305.6 | 10243.8 | 9888.1  | 9036.6  | 7788.7  | 6771.4  | 6661.4  | 6830.2  | 6869.4  | 6522.7  |
| 42.5° | 11478.1 | 11425.3 | 11244.5 | 10712.5 | 9539.9  | 8269.5  | 7528.0  | 7592.8  | 7636.5  | 7220.5  |
| 45°   | 12085.4 | 12073.4 | 12145.7 | 12096.0 | 11324.4 | 10108.1 | 8766.8  | 8497.0  | 8513.6  | 7993.7  |
| 47.5° | 12171.3 | 12165.3 | 12495.4 | 12962.6 | 12858.6 | 12181.9 | 10356.8 | 9624.3  | 9565.6  | 8866.3  |
| 50°   | 11665.0 | 11652.9 | 12285.9 | 13161.5 | 13883.4 | 13924.1 | 12162.3 | 10894.8 | 10765.2 | 9769.0  |
| 52.5° | 10047.8 | 10044.8 | 11084.7 | 12542.1 | 14243.6 | 15449.3 | 13946.7 | 12290.4 | 12073.4 | 10724.5 |
| 55°   | 7731.4  | 7787.2  | 8979.3  | 10701.9 | 13586.5 | 16183.2 | 15548.8 | 13839.7 | 13506.6 | 11686.1 |
| 57.5° | 5476.8  | 5558.2  | 6736.7  | 8271.0  | 11548.9 | 15749.2 | 16632.4 | 15392.0 | 15033.3 | 12644.6 |
| 60°   | 2941.9  | 3014.2  | 4194.3  | 6025.4  | 8592.0  | 14130.6 | 17203.5 | 16739.4 | 16400.3 | 13554.9 |
| 62.5° | 1752.8  | 1776.9  | 2265.2  | 3889.8  | 5811.4  | 10795.4 | 16960.9 | 17765.7 | 17486.9 | 14319.0 |
| 65°   | 1258.4  | 1262.9  | 1508.6  | 2375.2  | 3528.1  | 6558.9  | 15259.4 | 18257.0 | 18171.1 | 14894.7 |
| 67.5° | 1059.5  | 1056.5  | 1159.0  | 1577.9  | 2403.8  | 3285.5  | 11695.1 | 17562.2 | 17927.0 | 15259.4 |
| 70°   | 908.8   | 913.3   | 1033.9  | 1155.9  | 1807.0  | 1859.8  | 5814.4  | 15291.0 | 16068.7 | 15355.8 |
| 72.5° | 676.7   | 691.8   | 803.3   | 1053.5  | 1363.9  | 1279.5  | 2007.5  | 11337.9 | 12744.0 | 14468.2 |
| 75°   | 477.8   | 485.3   | 565.2   | 886.2   | 1017.3  | 931.4   | 1024.8  | 5861.1  | 7663.6  | 11092.3 |
| 77.5° | 367.7   | 381.3   | 428.0   | 619.4   | 1002.2  | 654.1   | 627.0   | 2028.6  | 3116.7  | 6700.6  |
| 80°   | 198.9   | 223.1   | 309.0   | 447.6   | 703.8   | 462.7   | 310.5   | 807.8   | 1056.5  | 3133.3  |
| 82.5° | 102.5   | 114.5   | 215.5   | 322.5   | 400.9   | 403.9   | 153.7   | 336.1   | 435.6   | 967.6   |
| 85°   | 40.7    | 49.7    | 144.7   | 177.8   | 206.5   | 198.9   | 69.3    | 135.6   | 156.7   | 268.3   |
| 87.5° | 9.0     | 15.1    | 52.7    | 40.7    | 39.2    | 42.2    | 16.6    | 31.6    | 30.1    | 31.6    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2703.7  | 0°    | 2703.7  | 2703.7 | 2703.7 | 2703.7 | 2703.7 | 2703.7 | 2703.7 | 2703.7 | 2703.7 | 2703.7 |
| 2721.8  | 2.5°  | 2720.3  | 2714.3 | 2697.7 | 2679.6 | 2658.5 | 2646.5 | 2638.9 | 2637.4 | 2626.9 | 2619.3 |
| 2782.1  | 5°    | 2765.5  | 2759.5 | 2727.9 | 2690.2 | 2649.5 | 2617.8 | 2587.7 | 2560.6 | 2521.4 | 2513.8 |
| 2869.5  | 7.5°  | 2856.0  | 2839.4 | 2788.1 | 2736.9 | 2660.0 | 2568.1 | 2456.6 | 2328.5 | 2213.9 | 2179.3 |
| 2985.6  | 10°   | 2967.5  | 2944.9 | 2880.1 | 2789.6 | 2619.3 | 2369.2 | 2099.4 | 1849.2 | 1650.3 | 1594.5 |
| 3122.7  | 12.5° | 3094.1  | 3074.5 | 2988.6 | 2821.3 | 2449.0 | 1995.4 | 1582.5 | 1272.0 | 1079.1 | 1030.9 |
| 3268.9  | 15°   | 3244.8  | 3216.2 | 3097.1 | 2773.1 | 2144.6 | 1516.1 | 1086.6 | 902.8  | 833.4  | 824.4  |
| 3436.2  | 17.5° | 3404.5  | 3357.8 | 3193.5 | 2599.7 | 1734.7 | 1077.6 | 839.5  | 786.7  | 756.6  | 747.5  |
| 3605.0  | 20°   | 3550.7  | 3490.4 | 3250.8 | 2337.5 | 1296.1 | 839.5  | 752.0  | 717.4  | 690.3  | 679.7  |
| 3773.8  | 22.5° | 3696.9  | 3611.0 | 3250.8 | 1980.3 | 972.1  | 744.5  | 690.3  | 658.6  | 627.0  | 613.4  |
| 3954.6  | 25°   | 3849.1  | 3734.6 | 3193.5 | 1582.5 | 782.2  | 682.7  | 631.5  | 596.8  | 569.7  | 553.1  |
| 4126.4  | 27.5° | 3996.8  | 3838.6 | 3062.4 | 1205.7 | 696.3  | 628.5  | 577.2  | 544.1  | 518.4  | 506.4  |
| 4313.3  | 30°   | 4137.0  | 3941.1 | 2878.6 | 914.8  | 640.5  | 575.7  | 527.5  | 498.9  | 473.2  | 461.2  |
| 4556.0  | 32.5° | 4326.9  | 4070.7 | 2682.6 | 750.5  | 592.3  | 526.0  | 482.3  | 455.1  | 432.5  | 423.5  |
| 4870.9  | 35°   | 4590.6  | 4262.1 | 2513.8 | 737.0  | 551.6  | 485.3  | 441.6  | 416.0  | 393.4  | 385.8  |
| 5277.9  | 37.5° | 4964.4  | 4571.0 | 2424.9 | 827.4  | 518.4  | 449.1  | 408.4  | 381.3  | 360.2  | 354.2  |
| 5794.8  | 40°   | 5425.6  | 4990.0 | 2473.2 | 917.8  | 495.8  | 417.5  | 378.3  | 351.2  | 333.1  | 325.5  |
| 6388.6  | 42.5° | 5972.6  | 5506.9 | 2739.9 | 987.2  | 480.8  | 390.3  | 349.6  | 319.5  | 307.4  | 304.4  |
| 7062.3  | 45°   | 6601.1  | 6075.1 | 3148.3 | 1061.0 | 456.7  | 364.7  | 321.0  | 298.4  | 289.4  | 287.9  |
| 7794.7  | 47.5° | 7315.5  | 6699.1 | 3621.6 | 1152.9 | 432.5  | 340.6  | 298.4  | 283.3  | 275.8  | 272.8  |
| 8558.8  | 50°   | 8023.8  | 7327.5 | 4108.4 | 1204.2 | 412.9  | 318.0  | 280.3  | 268.3  | 262.2  | 260.7  |
| 9366.6  | 52.5° | 8765.3  | 7974.1 | 4501.7 | 1155.9 | 396.4  | 299.9  | 265.2  | 256.2  | 250.2  | 248.7  |
| 10111.1 | 55°   | 9472.1  | 8497.0 | 4569.5 | 981.1  | 363.2  | 281.8  | 248.7  | 244.2  | 236.6  | 236.6  |
| 10866.2 | 57.5° | 10081.0 | 8759.3 | 4090.3 | 720.4  | 330.1  | 254.7  | 232.1  | 227.6  | 221.5  | 220.0  |
| 11547.4 | 60°   | 10640.1 | 8683.9 | 3157.4 | 485.3  | 293.9  | 227.6  | 211.0  | 208.0  | 202.0  | 194.4  |
| 12139.7 | 62.5° | 10955.1 | 8352.3 | 2159.7 | 316.5  | 257.7  | 198.9  | 186.9  | 185.4  | 171.8  | 156.7  |
| 12578.3 | 65°   | 11074.2 | 7671.1 | 1347.3 | 230.6  | 215.5  | 170.3  | 161.3  | 158.2  | 138.7  | 122.1  |
| 12826.9 | 67.5° | 10970.2 | 6549.9 | 679.7  | 182.4  | 170.3  | 141.7  | 132.6  | 132.6  | 119.1  | 104.0  |
| 12811.9 | 70°   | 10554.2 | 4910.1 | 286.3  | 146.2  | 131.1  | 108.5  | 108.5  | 114.5  | 101.0  | 84.4   |
| 12147.2 | 72.5° | 9651.5  | 3303.6 | 152.2  | 111.5  | 98.0   | 76.9   | 88.9   | 93.4   | 79.9   | 63.3   |
| 9942.3  | 75°   | 7672.6  | 2015.0 | 105.5  | 82.9   | 61.8   | 54.3   | 67.8   | 70.8   | 54.3   | 42.2   |
| 6816.6  | 77.5° | 5247.7  | 1157.5 | 70.8   | 52.7   | 39.2   | 31.6   | 46.7   | 43.7   | 28.6   | 19.6   |
| 2628.4  | 80°   | 2304.4  | 482.3  | 40.7   | 24.1   | 15.1   | 12.1   | 16.6   | 12.1   | 9.0    | 6.0    |
| 360.2   | 82.5° | 269.8   | 113.0  | 15.1   | 9.0    | 6.0    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    |
| 110.0   | 85°   | 55.8    | 13.6   | 7.5    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.6    | 87.5° | 10.5    | 3.0    | 1.5    | 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°   |
| <hr/>  |
| 2703.7 |
| 2626.9 |
| 2510.8 |
| 2162.7 |
| 1573.4 |
| 1017.3 |
| 815.3  |
| 743.0  |
| 673.7  |
| 605.9  |
| 547.1  |
| 506.4  |
| 462.7  |
| 423.5  |
| 385.8  |
| 352.7  |
| 324.0  |
| 304.4  |
| 286.3  |
| 272.8  |
| 260.7  |
| 248.7  |
| 235.1  |
| 218.5  |
| 192.9  |
| 153.7  |
| 120.6  |
| 102.5  |
| 82.9   |
| 63.3   |
| 40.7   |
| 21.1   |
| 6.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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