

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: P951769

Luminaire Tested: **GLAN-SB5D-827-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-827-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34114 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 364.9  
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



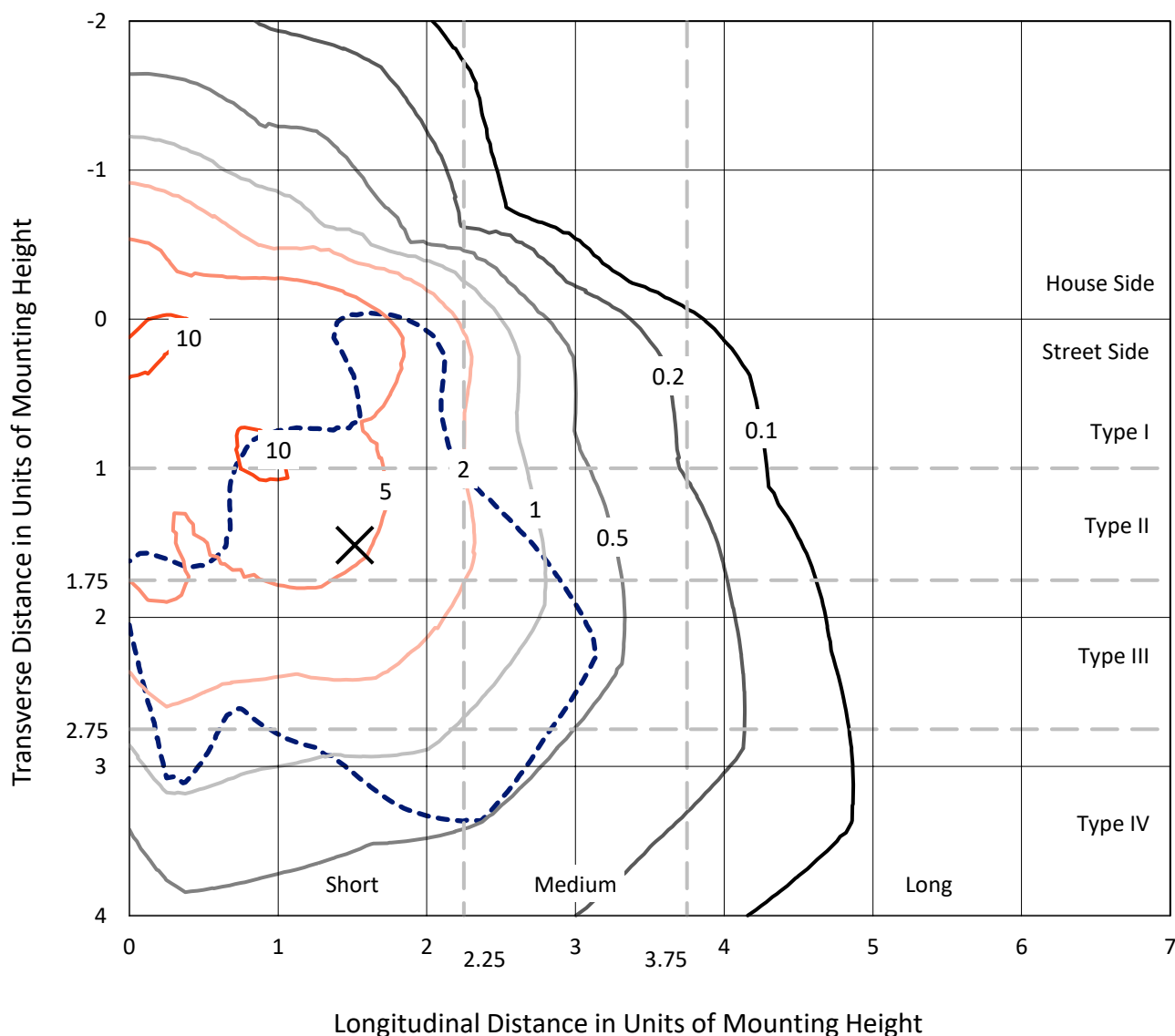
REPORT NUMBER: P951769

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

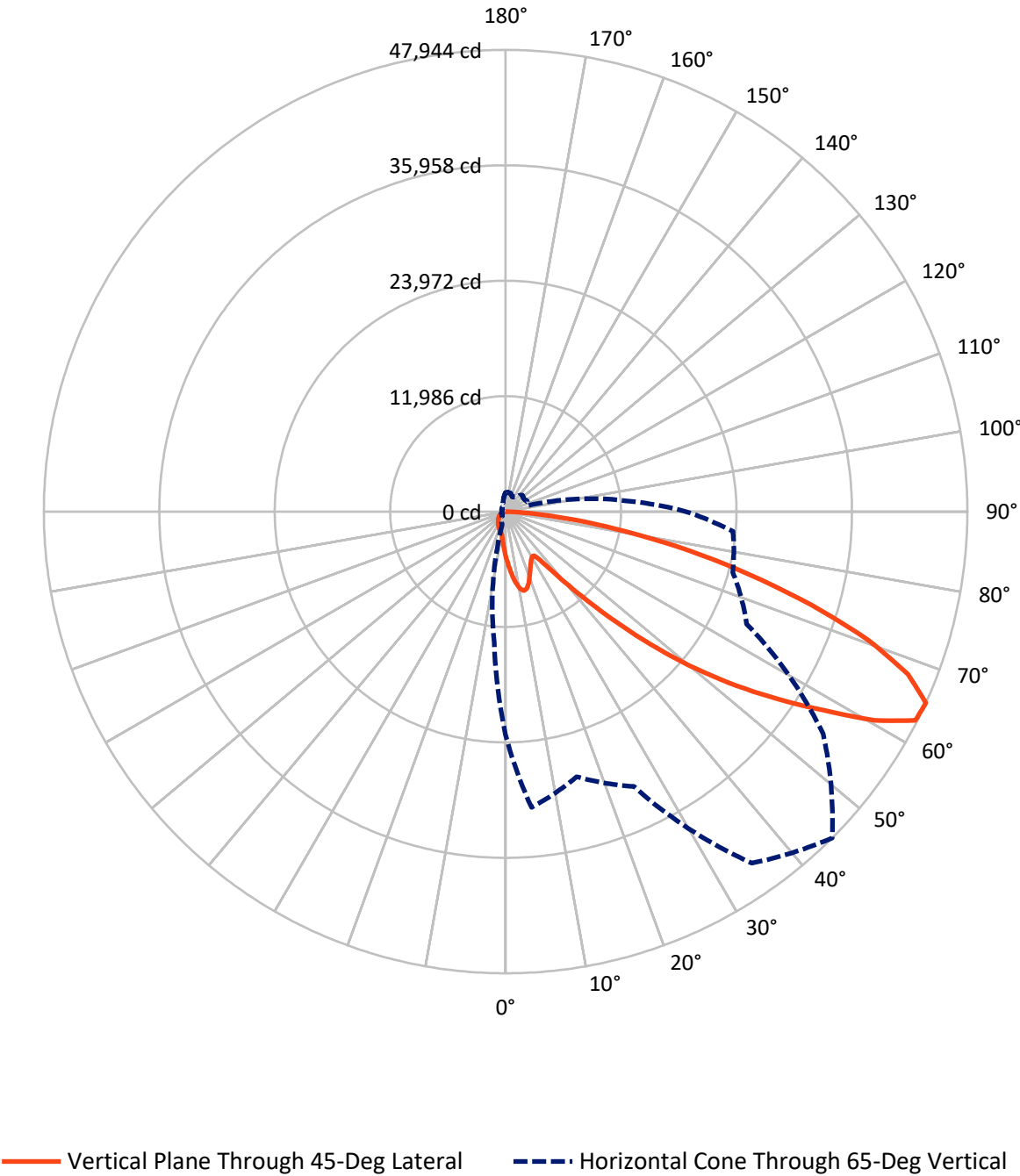


Based on 25 foot mounting height. Maximum calculated value = 12.4 fc

Type IV - Short - N/A

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CATALOG NUMBER: GLAN-SB5D-827-U-SLL-HSS

Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6780.8   | 0.0    | 6780.8  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 27333.2  | 0.0    | 27333.2 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 34114.0  | 0.0    | 34114.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 465.1   | 1.4       |
| 10°-20°   | 1394.1  | 4.1       |
| 20°-30°   | 2053.8  | 6.0       |
| 30°-40°   | 2638.6  | 7.7       |
| 40°-50°   | 4267.4  | 12.5      |
| 50°-60°   | 7483.3  | 21.9      |
| 60°-70°   | 9363.7  | 27.4      |
| 70°-80°   | 5471.7  | 16.0      |
| 80°-90°   | 976.2   | 2.9       |
| 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°    | 34114.0 | 100.0     |
| 0°-180°   | 34114.0 | 100.0     |

**Coefficient of Utilization**



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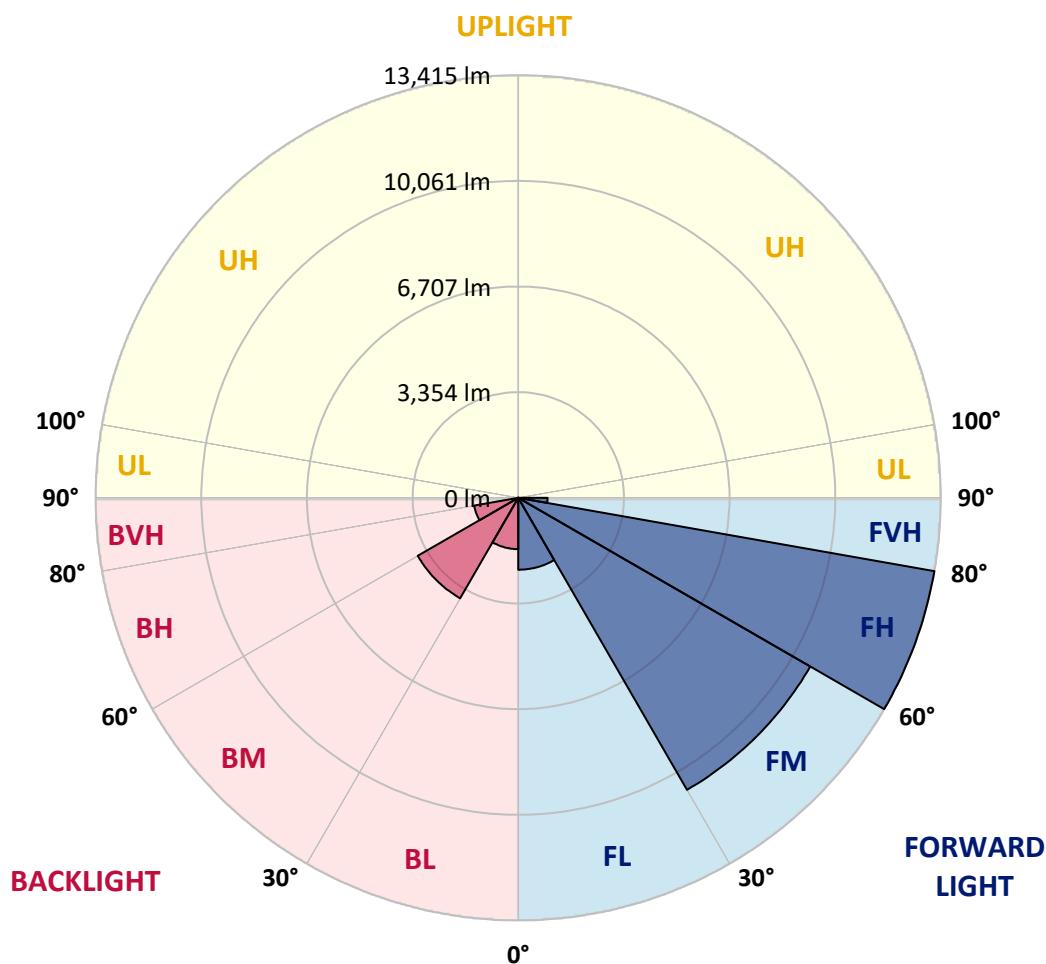
CATALOG NUMBER: GLAN-SB5D-827-U-SLL-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2282.6  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 10705.4 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 13414.7 | 39.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 930.5   | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 1630.4  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3684.0  | 10.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1420.7  | 4.2       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 45.8    | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  | 4723.7  |
| 2.5°  | 5292.4  | 5332.4  | 5421.7  | 5468.7  | 5541.5  | 5546.2  | 5546.2  | 5482.8  | 5480.4  | 5351.2  |
| 5°    | 5915.2  | 6009.2  | 6220.7  | 6439.3  | 6486.3  | 6498.0  | 6474.5  | 6347.6  | 6253.6  | 6002.2  |
| 7.5°  | 6533.3  | 6714.2  | 7036.2  | 7327.6  | 7421.6  | 7421.6  | 7365.2  | 7158.4  | 6965.7  | 6601.4  |
| 10°   | 7045.6  | 7273.6  | 7710.7  | 8037.3  | 8145.4  | 8121.9  | 8006.8  | 7745.9  | 7480.4  | 7038.5  |
| 12.5° | 7384.0  | 7640.2  | 8119.6  | 8382.8  | 8493.3  | 8432.2  | 8300.5  | 8046.7  | 7767.1  | 7301.8  |
| 15°   | 7553.2  | 7821.1  | 8237.1  | 8375.8  | 8345.2  | 8281.7  | 8265.3  | 8143.1  | 7931.6  | 7496.8  |
| 17.5° | 7626.1  | 7875.2  | 8164.2  | 8077.3  | 7818.8  | 7769.4  | 7933.9  | 8089.0  | 8037.3  | 7666.0  |
| 20°   | 7694.2  | 7903.4  | 7990.3  | 7604.9  | 7153.7  | 7109.0  | 7424.0  | 7865.8  | 8091.4  | 7823.5  |
| 22.5° | 7788.2  | 7917.5  | 7738.9  | 7106.7  | 6620.2  | 6516.8  | 6864.6  | 7529.7  | 8107.8  | 8023.2  |
| 25°   | 7917.5  | 7952.7  | 7461.6  | 6634.3  | 6145.5  | 6042.1  | 6366.4  | 7156.0  | 8079.6  | 8239.4  |
| 27.5° | 8072.6  | 7999.7  | 7196.0  | 6239.5  | 5767.1  | 5670.8  | 5995.1  | 6796.5  | 7999.7  | 8455.7  |
| 30°   | 8274.7  | 8060.8  | 6932.8  | 5934.0  | 5496.9  | 5426.4  | 5738.9  | 6486.3  | 7901.0  | 8730.6  |
| 32.5° | 8479.2  | 8086.7  | 6688.4  | 5755.4  | 5435.8  | 5461.6  | 5717.8  | 6319.4  | 7792.9  | 8993.8  |
| 35°   | 8700.1  | 8168.9  | 6568.5  | 5931.6  | 5945.7  | 6171.4  | 6277.1  | 6474.5  | 7776.5  | 9351.0  |
| 37.5° | 9000.9  | 8352.2  | 6711.9  | 6808.2  | 7297.1  | 7764.7  | 7677.8  | 7233.6  | 7966.8  | 9884.5  |
| 40°   | 9433.3  | 8674.2  | 7337.0  | 8300.5  | 9304.0  | 10063.1 | 9731.8  | 8613.1  | 8549.7  | 10653.0 |
| 42.5° | 10063.1 | 9186.5  | 8446.3  | 10124.2 | 11825.7 | 13075.9 | 12187.6 | 10392.1 | 9569.6  | 11750.5 |
| 45°   | 10993.8 | 10016.1 | 9788.2  | 12049.0 | 14934.9 | 16904.3 | 15057.1 | 12288.7 | 10998.5 | 13412.0 |
| 47.5° | 12284.0 | 11235.8 | 11045.5 | 14077.1 | 18713.8 | 21261.3 | 18239.1 | 14046.5 | 12624.7 | 15677.5 |
| 50°   | 13997.2 | 12878.5 | 12237.0 | 16295.6 | 22857.1 | 25703.0 | 21418.8 | 15743.3 | 14488.4 | 18445.9 |
| 52.5° | 16258.0 | 15169.9 | 13625.9 | 18408.3 | 27117.8 | 30050.7 | 24612.6 | 17233.3 | 16800.9 | 21658.5 |
| 55°   | 19341.3 | 18617.5 | 15524.7 | 20424.7 | 31376.2 | 34424.2 | 27681.8 | 18638.6 | 19856.0 | 25475.1 |
| 57.5° | 23167.3 | 23684.3 | 18262.6 | 22763.1 | 35204.5 | 38931.7 | 30765.1 | 20603.3 | 23822.9 | 29742.8 |
| 60°   | 25634.9 | 30422.0 | 23505.7 | 26220.0 | 39554.5 | 44029.1 | 34990.6 | 24340.0 | 27992.0 | 31272.8 |
| 62.5° | 25037.9 | 32565.3 | 29785.1 | 30633.5 | 43554.4 | 47735.2 | 39131.5 | 28093.1 | 28777.0 | 29019.0 |
| 65°   | 23207.2 | 30835.6 | 28504.3 | 31491.3 | 44567.3 | 47944.4 | 40238.4 | 27609.0 | 24410.5 | 23691.3 |
| 67.5° | 20687.9 | 28784.0 | 25461.0 | 29216.4 | 42736.5 | 45020.8 | 38177.3 | 24422.2 | 18864.2 | 17778.5 |
| 70°   | 17968.9 | 26513.8 | 23463.4 | 26664.2 | 39246.6 | 39925.8 | 34673.3 | 21479.9 | 13875.0 | 12006.7 |
| 72.5° | 15388.4 | 24149.6 | 22095.6 | 24048.6 | 34591.1 | 33185.7 | 30111.8 | 18878.3 | 10103.1 | 8660.1  |
| 75°   | 12749.3 | 20662.1 | 20147.4 | 20941.7 | 28469.1 | 26140.1 | 25019.1 | 15630.5 | 7929.2  | 6265.4  |
| 77.5° | 9837.5  | 16145.2 | 17329.6 | 16770.3 | 20039.3 | 19416.5 | 19393.0 | 11745.8 | 5793.0  | 4180.8  |
| 80°   | 6733.0  | 11252.3 | 13538.9 | 11830.4 | 13005.4 | 12688.2 | 14605.9 | 7879.9  | 4202.0  | 2517.0  |
| 82.5° | 3957.6  | 6850.5  | 9423.9  | 5727.2  | 7191.3  | 7381.7  | 8697.7  | 3833.0  | 2472.3  | 580.5   |
| 85°   | 1605.1  | 2705.0  | 3685.0  | 2242.0  | 3468.7  | 2925.9  | 3301.9  | 1076.3  | 688.6   | 14.1    |
| 87.5° | 404.2   | 864.8   | 606.3   | 251.5   | 401.9   | 369.0   | 291.4   | 131.6   | 28.2    | 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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**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4723.7  | 0°    | 4723.7  | 4723.7  | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 |
| 5337.1  | 2.5°  | 5245.4  | 5191.4  | 5057.4 | 4923.5 | 4815.4 | 4669.6 | 4573.3 | 4458.1 | 4347.7 | 4249.0 |
| 5948.1  | 5°    | 5800.0  | 5621.4  | 5377.0 | 5153.8 | 4925.8 | 4704.9 | 4486.3 | 4256.0 | 4044.5 | 3915.3 |
| 6465.1  | 7.5°  | 6251.3  | 5936.3  | 5612.0 | 5327.7 | 5052.7 | 4794.2 | 4505.1 | 4225.5 | 3894.1 | 3717.9 |
| 6859.9  | 10°   | 6587.3  | 6173.7  | 5748.3 | 5421.7 | 5144.4 | 4892.9 | 4648.5 | 4366.5 | 3967.0 | 3746.1 |
| 7099.6  | 12.5° | 6808.2  | 6317.1  | 5818.8 | 5445.2 | 5135.0 | 4939.9 | 4831.8 | 4721.3 | 4324.2 | 4065.7 |
| 7275.9  | 15°   | 6961.0  | 6418.1  | 5868.2 | 5391.1 | 5010.4 | 4867.1 | 4975.2 | 5102.1 | 4848.3 | 4549.8 |
| 7459.2  | 17.5° | 7127.8  | 6549.7  | 5889.3 | 5245.4 | 4768.3 | 4707.2 | 4986.9 | 5280.7 | 5268.9 | 4972.8 |
| 7633.1  | 20°   | 7304.1  | 6664.9  | 5875.2 | 5010.4 | 4474.6 | 4528.6 | 4885.9 | 5226.6 | 5370.0 | 5210.2 |
| 7832.9  | 22.5° | 7485.1  | 6775.3  | 5821.2 | 4704.9 | 4199.6 | 4368.8 | 4726.0 | 5024.5 | 5193.7 | 5144.4 |
| 8077.3  | 25°   | 7713.0  | 6930.4  | 5741.3 | 4375.9 | 3971.7 | 4206.7 | 4540.4 | 4782.4 | 4900.0 | 4897.6 |
| 8340.5  | 27.5° | 7985.6  | 7137.2  | 5699.0 | 4110.3 | 3809.5 | 4023.4 | 4319.5 | 4535.7 | 4617.9 | 4617.9 |
| 8667.2  | 30°   | 8302.9  | 7381.7  | 5652.0 | 3936.4 | 3715.5 | 3833.0 | 4063.3 | 4274.8 | 4357.1 | 4357.1 |
| 9024.4  | 32.5° | 8655.4  | 7616.7  | 5539.2 | 3830.7 | 3645.0 | 3647.4 | 3793.1 | 3985.8 | 4084.5 | 4098.6 |
| 9470.9  | 35°   | 9078.4  | 7868.1  | 5292.4 | 3746.1 | 3562.7 | 3466.4 | 3536.9 | 3696.7 | 3814.2 | 3844.8 |
| 10107.8 | 37.5° | 9633.1  | 8176.0  | 4939.9 | 3621.5 | 3435.8 | 3276.0 | 3292.5 | 3414.7 | 3543.9 | 3591.0 |
| 10986.7 | 40°   | 10378.0 | 8537.9  | 4573.3 | 3442.9 | 3257.2 | 3066.9 | 3059.8 | 3149.1 | 3276.0 | 3327.7 |
| 12175.9 | 42.5° | 11362.7 | 8972.7  | 4223.1 | 3271.3 | 3041.0 | 2846.0 | 2834.2 | 2904.7 | 3015.2 | 3069.2 |
| 13745.7 | 45°   | 12622.4 | 9506.1  | 3922.3 | 3137.4 | 2829.5 | 2636.8 | 2632.1 | 2690.9 | 2787.2 | 2843.6 |
| 15755.1 | 47.5° | 14373.2 | 10039.6 | 3717.9 | 3066.9 | 2662.7 | 2465.3 | 2474.7 | 2526.4 | 2613.3 | 2653.3 |
| 18356.6 | 50°   | 16655.1 | 10201.8 | 3614.5 | 3066.9 | 2573.4 | 2312.5 | 2359.5 | 2401.8 | 2467.6 | 2491.1 |
| 21475.2 | 52.5° | 18845.4 | 9666.0  | 3520.4 | 3085.7 | 2585.1 | 2183.2 | 2284.3 | 2314.8 | 2371.2 | 2380.6 |
| 24365.8 | 55°   | 19919.4 | 8309.9  | 3391.2 | 3090.4 | 2658.0 | 2072.8 | 2223.2 | 2279.6 | 2300.7 | 2298.4 |
| 26043.8 | 57.5° | 19550.5 | 6718.9  | 3172.6 | 3071.6 | 2707.3 | 2002.3 | 2148.0 | 2256.1 | 2270.2 | 2249.0 |
| 25724.2 | 60°   | 18255.6 | 4947.0  | 3005.8 | 2932.9 | 2688.5 | 1981.1 | 2032.8 | 2204.4 | 2225.5 | 2197.3 |
| 23261.3 | 62.5° | 16084.1 | 3433.5  | 2876.5 | 2627.4 | 2606.3 | 1974.1 | 1851.9 | 2091.6 | 2143.3 | 2103.3 |
| 18697.4 | 65°   | 12662.3 | 2425.3  | 2477.0 | 2303.1 | 2427.7 | 1936.5 | 1663.9 | 1955.3 | 2025.8 | 1964.7 |
| 13564.8 | 67.5° | 8568.5  | 1750.8  | 2007.0 | 2086.9 | 2138.6 | 1851.9 | 1527.6 | 1800.2 | 1894.2 | 1814.3 |
| 8704.8  | 70°   | 4627.3  | 1229.1  | 1325.5 | 1757.9 | 1816.6 | 1706.2 | 1405.4 | 1642.7 | 1750.8 | 1663.9 |
| 6187.8  | 72.5° | 2733.2  | 883.6   | 928.3  | 1412.4 | 1513.5 | 1501.7 | 1269.1 | 1459.4 | 1591.0 | 1487.6 |
| 4270.1  | 75°   | 1506.4  | 596.9   | 662.7  | 1024.6 | 1229.1 | 1158.6 | 1090.4 | 1236.2 | 1370.1 | 1269.1 |
| 2676.8  | 77.5° | 674.5   | 357.2   | 460.6  | 672.1  | 965.9  | 794.3  | 843.7  | 963.5  | 1088.1 | 982.3  |
| 1490.0  | 80°   | 260.9   | 199.8   | 305.5  | 366.6  | 702.7  | 439.5  | 542.9  | 709.7  | 799.0  | 714.4  |
| 324.3   | 82.5° | 32.9    | 89.3    | 131.6  | 143.4  | 408.9  | 232.7  | 314.9  | 446.5  | 439.5  | 380.7  |
| 0.0     | 85°   | 0.0     | 16.5    | 18.8   | 9.4    | 176.3  | 84.6   | 103.4  | 145.7  | 136.3  | 103.4  |
| 0.0     | 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.7    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4723.7 | 0°    | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 |
| 4230.2 | 2.5°  | 4115.0 | 4030.4 | 3988.1 | 3952.9 | 3985.8 | 4004.6 | 4004.6 | 4084.5 | 4131.5 | 4150.3 |
| 3833.0 | 5°    | 3626.2 | 3468.7 | 3363.0 | 3299.5 | 3320.7 | 3344.2 | 3370.0 | 3471.1 | 3539.2 | 3583.9 |
| 3558.0 | 7.5°  | 3240.8 | 3001.1 | 2853.0 | 2775.5 | 2787.2 | 2803.7 | 2824.8 | 2923.5 | 2991.7 | 3050.4 |
| 3506.3 | 10°   | 3050.4 | 2712.0 | 2517.0 | 2423.0 | 2406.5 | 2397.1 | 2390.0 | 2448.8 | 2500.5 | 2547.5 |
| 3717.9 | 12.5° | 3059.8 | 2587.5 | 2350.1 | 2234.9 | 2185.6 | 2129.2 | 2084.5 | 2093.9 | 2126.8 | 2185.6 |
| 4096.2 | 15°   | 3179.7 | 2547.5 | 2263.1 | 2119.8 | 2037.5 | 1971.7 | 1917.7 | 1905.9 | 1917.7 | 1927.1 |
| 4528.6 | 17.5° | 3341.8 | 2542.8 | 2187.9 | 2009.3 | 1924.7 | 1870.7 | 1821.3 | 1804.9 | 1807.2 | 1819.0 |
| 4815.4 | 20°   | 3471.1 | 2528.7 | 2103.3 | 1903.6 | 1828.4 | 1781.4 | 1732.0 | 1715.6 | 1720.3 | 1722.6 |
| 4843.6 | 22.5° | 3539.2 | 2507.6 | 2009.3 | 1797.8 | 1734.4 | 1687.4 | 1642.7 | 1640.4 | 1640.4 | 1654.5 |
| 4690.8 | 25°   | 3539.2 | 2462.9 | 1924.7 | 1696.8 | 1640.4 | 1598.1 | 1544.0 | 1553.4 | 1558.1 | 1576.9 |
| 4453.4 | 27.5° | 3454.6 | 2378.3 | 1856.6 | 1609.8 | 1551.1 | 1508.8 | 1459.4 | 1471.2 | 1478.2 | 1499.4 |
| 4218.4 | 30°   | 3346.5 | 2277.2 | 1779.0 | 1527.6 | 1459.4 | 1428.9 | 1386.6 | 1391.3 | 1400.7 | 1424.2 |
| 3999.9 | 32.5° | 3231.4 | 2157.4 | 1715.6 | 1445.3 | 1377.2 | 1353.7 | 1306.7 | 1313.7 | 1323.1 | 1349.0 |
| 3783.7 | 35°   | 3104.5 | 2016.4 | 1640.4 | 1370.1 | 1302.0 | 1283.2 | 1229.1 | 1233.8 | 1247.9 | 1276.1 |
| 3551.0 | 37.5° | 2970.5 | 1901.2 | 1565.2 | 1297.3 | 1226.8 | 1208.0 | 1151.5 | 1156.2 | 1172.7 | 1205.6 |
| 3306.6 | 40°   | 2838.9 | 1788.4 | 1485.3 | 1219.7 | 1149.2 | 1132.7 | 1071.6 | 1076.3 | 1095.1 | 1130.4 |
| 3059.8 | 42.5° | 2695.6 | 1701.5 | 1381.9 | 1139.8 | 1064.6 | 1048.1 | 991.7  | 998.8  | 1019.9 | 1055.2 |
| 2831.9 | 45°   | 2524.0 | 1645.1 | 1266.7 | 1064.6 | 980.0  | 963.5  | 911.8  | 925.9  | 949.4  | 984.7  |
| 2636.8 | 47.5° | 2347.7 | 1621.6 | 1170.3 | 984.7  | 893.0  | 878.9  | 836.6  | 860.1  | 886.0  | 914.2  |
| 2470.0 | 50°   | 2178.5 | 1591.0 | 1071.6 | 909.5  | 817.8  | 803.7  | 775.5  | 806.1  | 831.9  | 857.8  |
| 2350.1 | 52.5° | 1985.8 | 1525.2 | 982.3  | 843.7  | 754.4  | 749.7  | 735.6  | 763.8  | 787.3  | 810.8  |
| 2246.7 | 55°   | 1786.1 | 1419.5 | 904.8  | 784.9  | 700.3  | 705.0  | 698.0  | 721.5  | 740.3  | 761.4  |
| 2152.7 | 57.5° | 1612.2 | 1285.5 | 843.7  | 721.5  | 653.3  | 667.4  | 658.0  | 669.8  | 681.5  | 707.4  |
| 2039.9 | 60°   | 1435.9 | 1125.7 | 775.5  | 646.3  | 606.3  | 622.8  | 596.9  | 594.6  | 599.3  | 606.3  |
| 1873.0 | 62.5° | 1198.6 | 958.8  | 690.9  | 580.5  | 554.6  | 561.7  | 512.3  | 474.7  | 474.7  | 481.8  |
| 1640.4 | 65°   | 963.5  | 803.7  | 596.9  | 505.3  | 484.1  | 479.4  | 408.9  | 357.2  | 352.5  | 373.7  |
| 1370.1 | 67.5° | 792.0  | 667.4  | 502.9  | 420.7  | 406.6  | 411.3  | 359.6  | 307.9  | 303.2  | 326.7  |
| 1116.3 | 70°   | 655.7  | 538.2  | 401.9  | 324.3  | 338.4  | 359.6  | 307.9  | 258.5  | 251.5  | 272.6  |
| 907.1  | 72.5° | 521.7  | 420.7  | 307.9  | 239.7  | 279.7  | 305.5  | 251.5  | 204.5  | 199.8  | 218.6  |
| 700.3  | 75°   | 383.1  | 300.8  | 209.2  | 173.9  | 216.2  | 239.7  | 183.3  | 145.7  | 138.7  | 155.1  |
| 467.7  | 77.5° | 237.4  | 169.2  | 131.6  | 103.4  | 148.1  | 159.8  | 96.4   | 84.6   | 82.3   | 94.0   |
| 284.4  | 80°   | 110.5  | 72.9   | 63.5   | 35.3   | 54.1   | 63.5   | 40.0   | 44.7   | 47.0   | 56.4   |
| 143.4  | 82.5° | 30.6   | 11.8   | 2.4    | 0.0    | 0.0    | 18.8   | 9.4    | 18.8   | 23.5   | 35.3   |
| 11.8   | 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.7    | 11.8   | 21.2   |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.4    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 285°   |       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 360°    |
|--------|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 4723.7 | 0°    | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7 | 4723.7  | 4723.7  |
| 4281.9 | 2.5°  | 4380.6 | 4474.6 | 4625.0 | 4780.1 | 4932.9 | 5088.0 | 5238.4  | 5292.4  |
| 3788.4 | 5°    | 3974.0 | 4190.2 | 4488.7 | 4808.3 | 5137.3 | 5471.0 | 5776.5  | 5915.2  |
| 3278.4 | 7.5°  | 3520.4 | 3830.7 | 4279.5 | 4780.1 | 5304.2 | 5828.2 | 6310.0  | 6533.3  |
| 2773.1 | 10°   | 3036.3 | 3428.8 | 3941.1 | 4617.9 | 5370.0 | 6093.8 | 6756.5  | 7045.6  |
| 2328.9 | 12.5° | 2575.7 | 2987.0 | 3553.3 | 4364.1 | 5318.3 | 6246.6 | 7043.2  | 7384.0  |
| 2016.4 | 15°   | 2190.3 | 2554.6 | 3165.6 | 4063.3 | 5151.4 | 6256.0 | 7179.6  | 7553.2  |
| 1842.5 | 17.5° | 1901.2 | 2138.6 | 2770.8 | 3729.6 | 4932.9 | 6169.0 | 7226.6  | 7626.1  |
| 1748.5 | 20°   | 1757.9 | 1823.7 | 2258.4 | 3301.9 | 4728.4 | 6086.8 | 7273.6  | 7694.2  |
| 1673.3 | 22.5° | 1673.3 | 1689.7 | 1847.2 | 2749.6 | 4484.0 | 6060.9 | 7355.8  | 7788.2  |
| 1605.1 | 25°   | 1605.1 | 1609.8 | 1652.1 | 2178.5 | 4110.3 | 6044.5 | 7482.7  | 7917.5  |
| 1534.6 | 27.5° | 1537.0 | 1537.0 | 1560.5 | 1755.5 | 3602.7 | 5973.9 | 7647.2  | 8072.6  |
| 1464.1 | 30°   | 1468.8 | 1468.8 | 1485.3 | 1553.4 | 3008.1 | 5835.3 | 7844.6  | 8274.7  |
| 1393.6 | 32.5° | 1398.3 | 1398.3 | 1412.4 | 1461.8 | 2401.8 | 5661.4 | 8025.6  | 8479.2  |
| 1320.8 | 35°   | 1327.8 | 1323.1 | 1341.9 | 1393.6 | 1910.6 | 5440.5 | 8206.5  | 8700.1  |
| 1247.9 | 37.5° | 1252.6 | 1250.3 | 1269.1 | 1327.8 | 1649.8 | 5184.3 | 8342.8  | 9000.9  |
| 1175.0 | 40°   | 1172.7 | 1172.7 | 1193.8 | 1257.3 | 1574.6 | 4862.4 | 8559.1  | 9433.3  |
| 1099.8 | 42.5° | 1099.8 | 1095.1 | 1118.6 | 1196.2 | 1518.2 | 4554.5 | 8946.8  | 10063.1 |
| 1031.7 | 45°   | 1029.3 | 1019.9 | 1041.1 | 1137.4 | 1419.5 | 4446.4 | 9670.7  | 10993.8 |
| 965.9  | 47.5° | 963.5  | 940.0  | 958.8  | 1066.9 | 1330.2 | 4850.6 | 10855.1 | 12284.0 |
| 907.1  | 50°   | 909.5  | 864.8  | 881.3  | 996.4  | 1262.0 | 5727.2 | 12392.1 | 13997.2 |
| 853.1  | 52.5° | 853.1  | 794.3  | 803.7  | 909.5  | 1200.9 | 6561.5 | 14058.3 | 16258.0 |
| 799.0  | 55°   | 794.3  | 728.5  | 733.2  | 822.5  | 1113.9 | 6686.0 | 15684.6 | 19341.3 |
| 737.9  | 57.5° | 728.5  | 667.4  | 667.4  | 742.6  | 1050.5 | 5795.3 | 16934.8 | 23167.3 |
| 662.7  | 60°   | 655.7  | 615.7  | 604.0  | 679.2  | 1106.9 | 4089.2 | 17080.5 | 25634.9 |
| 566.4  | 62.5° | 575.8  | 554.6  | 538.2  | 618.1  | 1149.2 | 2423.0 | 15907.8 | 25037.9 |
| 446.5  | 65°   | 484.1  | 479.4  | 467.7  | 679.2  | 968.2  | 1431.2 | 13656.4 | 23207.2 |
| 380.7  | 67.5° | 406.6  | 399.5  | 399.5  | 712.1  | 735.6  | 900.1  | 10669.4 | 20687.9 |
| 324.3  | 70°   | 350.2  | 324.3  | 324.3  | 538.2  | 446.5  | 622.8  | 7449.8  | 17968.9 |
| 267.9  | 72.5° | 293.8  | 265.6  | 246.8  | 430.1  | 333.7  | 455.9  | 4655.5  | 15388.4 |
| 204.5  | 75°   | 235.0  | 213.9  | 190.4  | 284.4  | 249.1  | 345.5  | 2705.0  | 12749.3 |
| 129.3  | 77.5° | 169.2  | 159.8  | 134.0  | 209.2  | 181.0  | 249.1  | 1609.8  | 9837.5  |
| 79.9   | 80°   | 87.0   | 89.3   | 84.6   | 119.9  | 122.2  | 169.2  | 916.5   | 6733.0  |
| 51.7   | 82.5° | 51.7   | 40.0   | 44.7   | 58.8   | 70.5   | 96.4   | 345.5   | 3957.6  |
| 37.6   | 85°   | 32.9   | 21.2   | 21.2   | 28.2   | 35.3   | 37.6   | 105.8   | 1605.1  |
| 18.8   | 87.5° | 16.5   | 7.1    | 9.4    | 14.1   | 11.8   | 9.4    | 4.7     | 404.2   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END OF REPORT)