

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: P943559

Luminaire Tested: **GLAN-SB8A-830-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-830-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32214 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

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



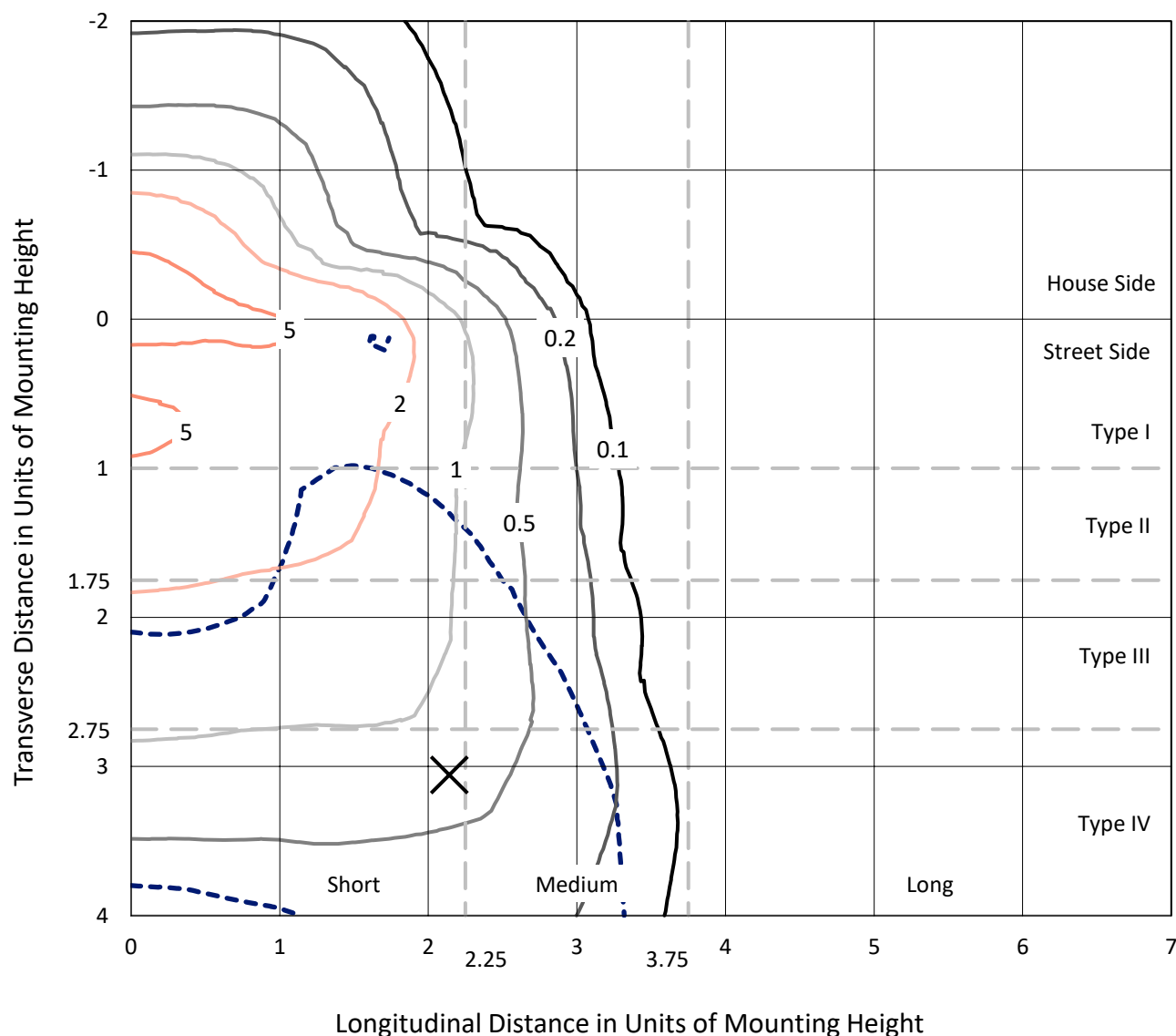
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



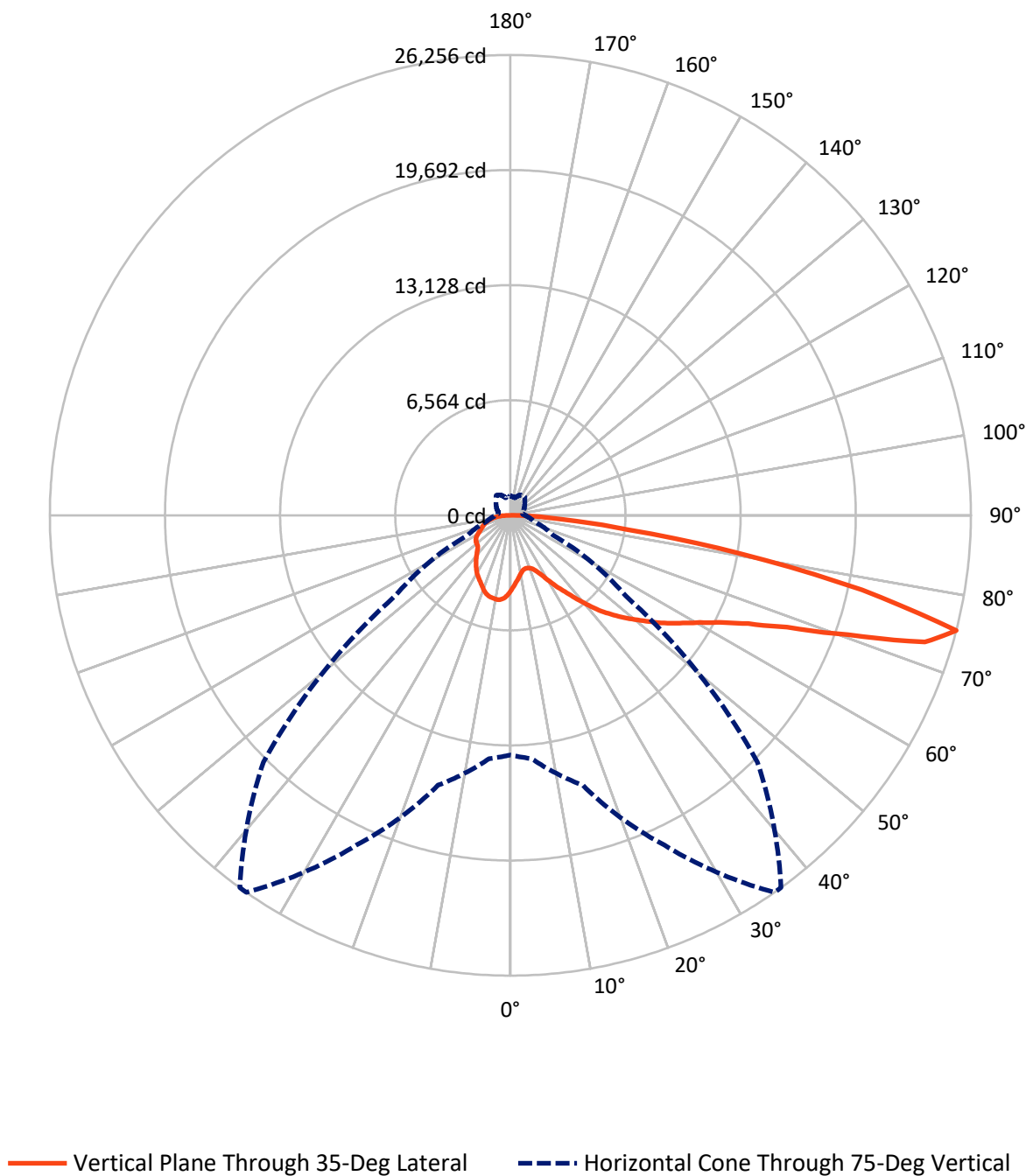
Based on 25 foot mounting height. Maximum calculated value = 7.6 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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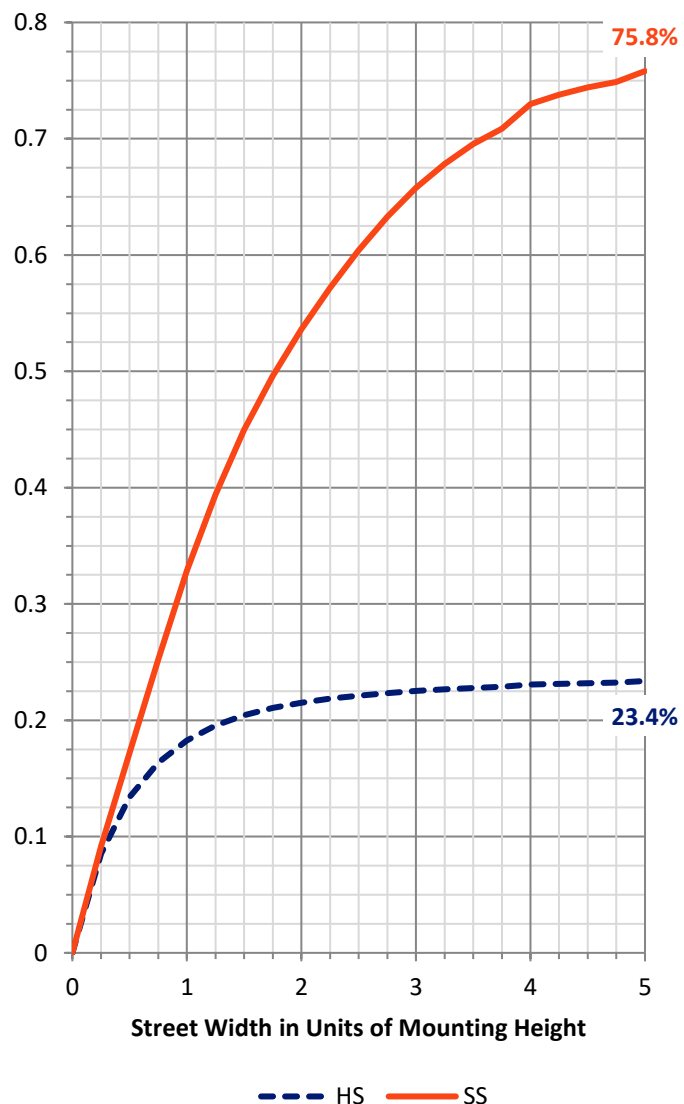
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7666.1   | 0.0    | 7666.1  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 24547.9  | 0.0    | 24547.9 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 32214.0  | 0.0    | 32214.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 406.4   | 1.3       |
| 10°-20°   | 1172.3  | 3.6       |
| 20°-30°   | 1968.7  | 6.1       |
| 30°-40°   | 3059.6  | 9.5       |
| 40°-50°   | 4541.2  | 14.1      |
| 50°-60°   | 6269.4  | 19.5      |
| 60°-70°   | 7606.2  | 23.6      |
| 70°-80°   | 6286.0  | 19.5      |
| 80°-90°   | 904.1   | 2.8       |
| 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°    | 32214.0 | 100.0     |
| 0°-180°   | 32214.0 | 100.0     |

**Coefficient of Utilization**



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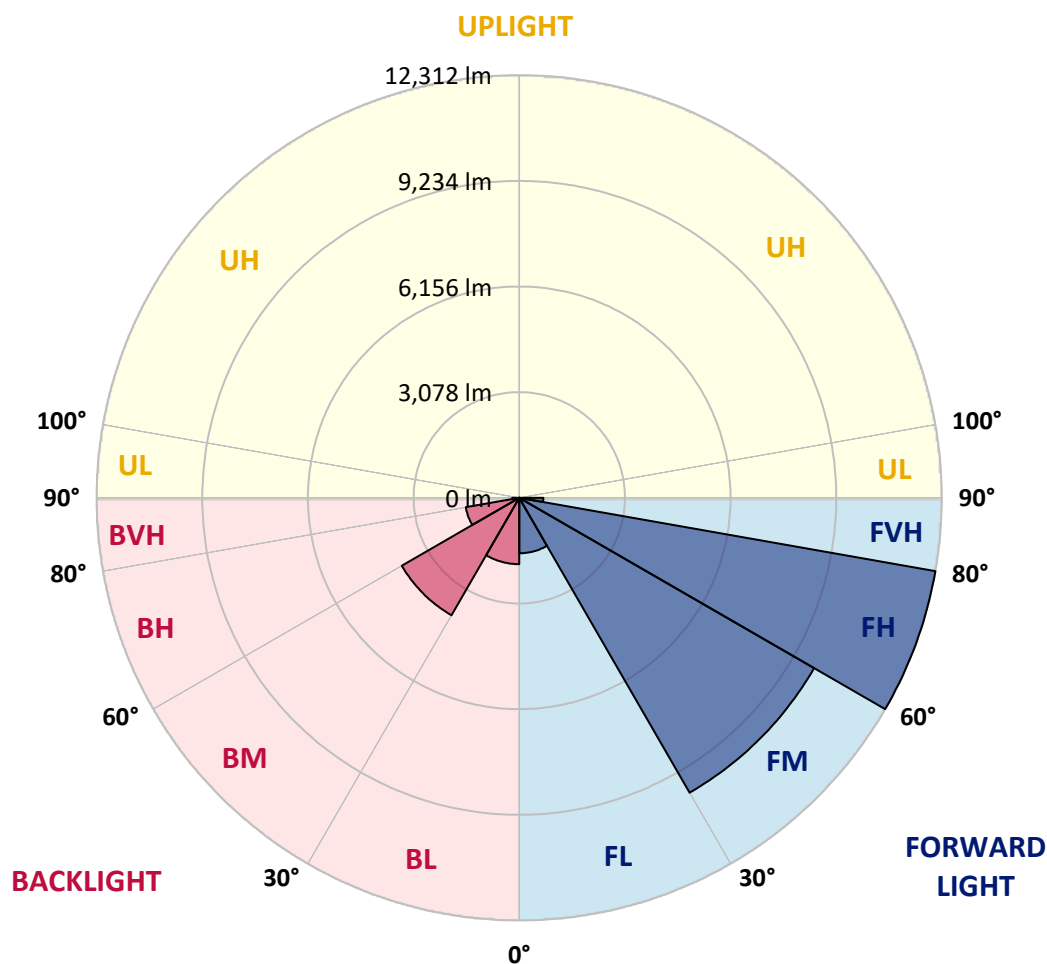
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1615.5  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 9920.2  | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 12311.7 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 700.5   | 2.2       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1932.0  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3950.1  | 12.3      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1580.5  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 203.6   | 0.6       |                         |      | G2/225  |
| 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°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  | 4292.7  |
| 2.5°  | 3958.4  | 3982.8  | 3993.2  | 3988.0  | 4014.1  | 4010.6  | 4047.2  | 4092.5  | 4155.2  | 4216.1  |
| 5°    | 3653.6  | 3679.7  | 3702.4  | 3723.3  | 3773.8  | 3789.4  | 3846.9  | 3934.0  | 4048.9  | 4165.6  |
| 7.5°  | 3369.8  | 3392.4  | 3427.2  | 3465.5  | 3550.9  | 3566.5  | 3662.3  | 3798.2  | 3958.4  | 4129.0  |
| 10°   | 3138.1  | 3160.8  | 3197.3  | 3240.9  | 3347.1  | 3366.3  | 3488.2  | 3669.3  | 3878.3  | 4094.2  |
| 12.5° | 3038.9  | 3045.8  | 3066.7  | 3110.3  | 3202.6  | 3214.8  | 3348.9  | 3556.1  | 3799.9  | 4068.1  |
| 15°   | 3033.6  | 3047.6  | 3049.3  | 3072.0  | 3148.6  | 3153.8  | 3277.5  | 3482.9  | 3751.1  | 4062.9  |
| 17.5° | 3085.9  | 3096.3  | 3080.7  | 3094.6  | 3159.0  | 3167.7  | 3265.3  | 3448.1  | 3735.5  | 4085.5  |
| 20°   | 3225.2  | 3233.9  | 3186.9  | 3167.7  | 3214.8  | 3221.7  | 3317.5  | 3470.8  | 3751.1  | 4132.5  |
| 22.5° | 3521.3  | 3526.5  | 3411.5  | 3333.2  | 3336.7  | 3340.1  | 3423.7  | 3563.1  | 3812.1  | 4217.9  |
| 25°   | 3982.8  | 3979.3  | 3796.4  | 3644.9  | 3557.8  | 3538.7  | 3594.4  | 3712.8  | 3914.8  | 4331.0  |
| 27.5° | 4522.6  | 4496.5  | 4313.6  | 4087.2  | 3897.4  | 3869.6  | 3857.4  | 3907.9  | 4061.1  | 4480.8  |
| 30°   | 5132.1  | 5107.7  | 4911.0  | 4614.9  | 4351.9  | 4306.7  | 4191.7  | 4165.6  | 4278.8  | 4684.6  |
| 32.5° | 5800.8  | 5785.2  | 5550.1  | 5191.3  | 4839.6  | 4787.3  | 4594.0  | 4524.3  | 4613.2  | 4992.8  |
| 35°   | 6361.6  | 6347.7  | 6152.6  | 5783.4  | 5353.3  | 5288.9  | 5092.1  | 5013.7  | 5059.0  | 5388.1  |
| 37.5° | 6868.4  | 6861.4  | 6694.2  | 6403.4  | 5959.3  | 5881.0  | 5659.8  | 5633.7  | 5625.0  | 5908.8  |
| 40°   | 7338.6  | 7321.2  | 7147.0  | 6993.8  | 6664.6  | 6593.2  | 6398.2  | 6375.5  | 6309.4  | 6549.7  |
| 42.5° | 7859.3  | 7814.0  | 7561.5  | 7490.1  | 7401.3  | 7342.1  | 7225.4  | 7228.9  | 7082.6  | 7272.4  |
| 45°   | 8284.2  | 8258.1  | 7998.6  | 7956.8  | 8052.6  | 8028.2  | 8129.2  | 8155.3  | 7871.5  | 8029.9  |
| 47.5° | 8740.5  | 8716.1  | 8496.7  | 8467.0  | 8726.5  | 8733.5  | 9090.5  | 9099.2  | 8641.2  | 8817.1  |
| 50°   | 9303.0  | 9268.1  | 9050.4  | 9087.0  | 9377.8  | 9404.0  | 10057.0 | 9997.8  | 9350.0  | 9616.4  |
| 52.5° | 9673.9  | 9694.8  | 9647.8  | 9707.0  | 10104.0 | 10128.4 | 11007.9 | 10856.3 | 10051.8 | 10405.3 |
| 55°   | 9947.3  | 9989.1  | 10135.4 | 10271.2 | 10870.3 | 10894.7 | 11904.7 | 11673.1 | 10633.4 | 11136.7 |
| 57.5° | 10299.1 | 10239.9 | 10513.3 | 10778.0 | 11598.2 | 11662.7 | 12777.2 | 12460.2 | 11148.9 | 11767.1 |
| 60°   | 10804.1 | 10762.3 | 10974.8 | 11366.6 | 12413.2 | 12516.0 | 13700.2 | 13169.0 | 11526.8 | 12266.9 |
| 62.5° | 11828.1 | 11723.6 | 11756.7 | 12103.2 | 13440.7 | 13576.5 | 14741.6 | 13787.2 | 11714.9 | 12462.0 |
| 65°   | 13358.8 | 13179.5 | 13012.3 | 13252.6 | 14887.9 | 15022.0 | 15917.1 | 14273.1 | 11645.2 | 12084.1 |
| 67.5° | 15286.7 | 15109.0 | 14903.5 | 15129.9 | 17019.4 | 17125.7 | 17367.7 | 14546.5 | 11096.7 | 10628.2 |
| 70°   | 16876.6 | 16810.4 | 17056.0 | 17987.7 | 20424.0 | 20427.5 | 19227.6 | 14320.1 | 9593.8  | 7535.4  |
| 72.5° | 16665.9 | 16625.9 | 17919.8 | 20800.2 | 24715.0 | 24622.7 | 20988.2 | 12606.5 | 6462.6  | 3399.4  |
| 75°   | 13672.3 | 13931.8 | 15936.2 | 20749.7 | 26256.2 | 26244.0 | 19910.3 | 8014.3  | 2673.2  | 1408.9  |
| 77.5° | 7331.6  | 7742.6  | 10346.1 | 15319.7 | 20497.1 | 20805.4 | 13998.0 | 2803.8  | 1147.6  | 902.1   |
| 80°   | 2391.0  | 2749.8  | 4123.8  | 7800.1  | 13318.8 | 13261.3 | 5999.4  | 1100.6  | 785.4   | 639.1   |
| 82.5° | 1015.3  | 1057.1  | 1842.5  | 3683.2  | 6835.3  | 6729.1  | 1910.4  | 632.2   | 552.0   | 437.1   |
| 85°   | 397.1   | 444.1   | 813.3   | 1703.2  | 2960.5  | 2896.1  | 689.6   | 313.5   | 353.5   | 285.6   |
| 87.5° | 130.6   | 158.5   | 290.8   | 583.4   | 921.2   | 888.2   | 168.9   | 108.0   | 153.2   | 130.6   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4292.7  | 0°    | 4292.7  | 4292.7 | 4292.7 | 4292.7 | 4292.7 | 4292.7 | 4292.7 | 4292.7 | 4292.7 | 4292.7 |
| 4304.9  | 2.5°  | 4329.3  | 4357.2 | 4390.3 | 4439.0 | 4480.8 | 4515.6 | 4552.2 | 4574.9 | 4583.6 | 4609.7 |
| 4311.9  | 5°    | 4360.7  | 4421.6 | 4503.5 | 4583.6 | 4661.9 | 4708.9 | 4750.7 | 4771.6 | 4790.8 | 4804.7 |
| 4331.0  | 7.5°  | 4412.9  | 4491.3 | 4620.1 | 4724.6 | 4790.8 | 4829.1 | 4857.0 | 4850.0 | 4857.0 | 4860.5 |
| 4351.9  | 10°   | 4458.2  | 4567.9 | 4721.1 | 4820.4 | 4870.9 | 4872.6 | 4865.7 | 4841.3 | 4829.1 | 4830.8 |
| 4383.3  | 12.5° | 4512.2  | 4634.1 | 4799.5 | 4883.1 | 4897.0 | 4858.7 | 4829.1 | 4787.3 | 4771.6 | 4764.7 |
| 4430.3  | 15°   | 4585.3  | 4724.6 | 4884.8 | 4916.2 | 4881.4 | 4832.6 | 4782.1 | 4714.2 | 4679.3 | 4651.5 |
| 4510.4  | 17.5° | 4674.1  | 4827.4 | 4951.0 | 4928.4 | 4853.5 | 4773.4 | 4691.5 | 4588.8 | 4517.4 | 4487.8 |
| 4620.1  | 20°   | 4797.8  | 4935.3 | 5001.5 | 4902.2 | 4789.1 | 4667.2 | 4527.8 | 4402.4 | 4336.3 | 4306.7 |
| 4759.4  | 22.5° | 4947.5  | 5079.9 | 5050.3 | 4857.0 | 4696.8 | 4501.7 | 4327.6 | 4235.3 | 4202.2 | 4181.3 |
| 4938.8  | 25°   | 5126.9  | 5240.1 | 5085.1 | 4790.8 | 4545.2 | 4282.3 | 4148.2 | 4118.6 | 4102.9 | 4087.2 |
| 5158.2  | 27.5° | 5360.3  | 5421.2 | 5111.2 | 4693.3 | 4308.4 | 4048.9 | 4000.2 | 4005.4 | 4000.2 | 3974.0 |
| 5463.0  | 30°   | 5668.5  | 5656.3 | 5135.6 | 4534.8 | 4036.7 | 3838.2 | 3841.7 | 3864.3 | 3867.8 | 3850.4 |
| 5887.9  | 32.5° | 6074.3  | 5950.6 | 5147.8 | 4329.3 | 3777.3 | 3653.6 | 3657.1 | 3681.5 | 3698.9 | 3669.3 |
| 6443.5  | 35°   | 6565.4  | 6293.7 | 5128.6 | 4071.6 | 3577.0 | 3477.7 | 3451.6 | 3458.6 | 3463.8 | 3435.9 |
| 7117.4  | 37.5° | 7138.3  | 6678.6 | 5043.3 | 3786.0 | 3411.5 | 3305.3 | 3249.6 | 3202.6 | 3174.7 | 3148.6 |
| 7880.2  | 40°   | 7767.0  | 7098.2 | 4886.6 | 3507.3 | 3227.0 | 3122.5 | 3038.9 | 2950.1 | 2856.0 | 2821.2 |
| 8688.2  | 42.5° | 8425.3  | 7530.1 | 4696.8 | 3240.9 | 3014.5 | 2929.2 | 2840.3 | 2711.5 | 2570.4 | 2499.0 |
| 9527.6  | 45°   | 9107.9  | 7972.5 | 4510.4 | 2977.9 | 2796.8 | 2760.2 | 2657.5 | 2502.5 | 2349.2 | 2258.7 |
| 10368.7 | 47.5° | 9776.6  | 8390.4 | 4237.0 | 2713.2 | 2593.1 | 2633.1 | 2553.0 | 2410.2 | 2239.5 | 2096.7 |
| 11202.9 | 50°   | 10415.8 | 8782.3 | 3789.4 | 2445.0 | 2427.6 | 2594.8 | 2518.2 | 2312.7 | 2117.6 | 1934.8 |
| 12021.4 | 52.5° | 11049.7 | 9099.2 | 3216.5 | 2201.2 | 2338.8 | 2584.3 | 2472.9 | 2246.5 | 2007.9 | 1816.4 |
| 12791.1 | 55°   | 11587.8 | 9262.9 | 2664.5 | 1992.2 | 2209.9 | 2495.5 | 2418.9 | 2168.1 | 1852.9 | 1649.2 |
| 13318.8 | 57.5° | 11894.3 | 9130.5 | 2204.7 | 1786.8 | 2032.3 | 2349.2 | 2326.6 | 2001.0 | 1668.3 | 1511.6 |
| 13421.5 | 60°   | 11761.9 | 8594.2 | 1828.5 | 1607.4 | 1863.4 | 2190.8 | 2166.4 | 1835.5 | 1527.3 | 1379.2 |
| 12871.2 | 62.5° | 11032.2 | 7571.9 | 1530.8 | 1450.6 | 1710.1 | 2028.8 | 2006.2 | 1708.4 | 1419.3 | 1276.5 |
| 11410.1 | 65°   | 9562.4  | 6159.6 | 1299.1 | 1320.0 | 1555.1 | 1833.8 | 1866.9 | 1602.2 | 1334.0 | 1194.7 |
| 8827.5  | 67.5° | 7293.3  | 4461.7 | 1118.0 | 1206.8 | 1403.6 | 1642.2 | 1738.0 | 1525.5 | 1262.6 | 1130.2 |
| 5107.7  | 70°   | 4156.9  | 2533.8 | 964.8  | 1097.1 | 1269.5 | 1464.6 | 1638.7 | 1464.6 | 1185.9 | 1076.2 |
| 1913.9  | 72.5° | 1576.0  | 1163.3 | 834.2  | 987.4  | 1140.7 | 1314.8 | 1529.0 | 1368.8 | 1097.1 | 1015.3 |
| 989.2   | 75°   | 841.1   | 708.8  | 701.8  | 858.5  | 992.6  | 1168.5 | 1391.4 | 1274.8 | 1031.0 | 1072.7 |
| 684.4   | 77.5° | 572.9   | 501.5  | 586.9  | 734.9  | 830.7  | 1006.6 | 1245.2 | 1132.0 | 893.4  | 889.9  |
| 473.7   | 80°   | 397.1   | 355.3  | 477.2  | 592.1  | 642.6  | 846.4  | 1086.7 | 971.7  | 727.9  | 679.2  |
| 292.6   | 82.5° | 238.6   | 231.6  | 357.0  | 442.3  | 454.5  | 653.1  | 900.3  | 815.0  | 595.6  | 519.0  |
| 174.1   | 85°   | 130.6   | 137.6  | 228.1  | 259.5  | 264.7  | 456.3  | 705.3  | 630.4  | 458.0  | 384.9  |
| 62.7    | 87.5° | 36.6    | 47.0   | 83.6   | 102.7  | 127.1  | 236.8  | 419.7  | 374.4  | 229.9  | 160.2  |
| 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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| 180°   |
|--------|
| 4292.7 |
| 4607.9 |
| 4808.2 |
| 4865.7 |
| 4834.3 |
| 4761.2 |
| 4660.2 |
| 4489.5 |
| 4303.2 |
| 4184.8 |
| 4087.2 |
| 3979.3 |
| 3859.1 |
| 3683.2 |
| 3455.1 |
| 3166.0 |
| 2836.9 |
| 2507.7 |
| 2251.7 |
| 2081.1 |
| 1919.1 |
| 1795.5 |
| 1631.8 |
| 1490.7 |
| 1358.3 |
| 1253.9 |
| 1172.0 |
| 1109.3 |
| 1062.3 |
| 1001.3 |
| 1107.6 |
| 820.2  |
| 649.6  |
| 522.4  |
| 388.3  |
| 160.2  |
| 0.0    |