

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: P942072

Luminaire Tested: **GLAN-SB5D-930-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35447 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

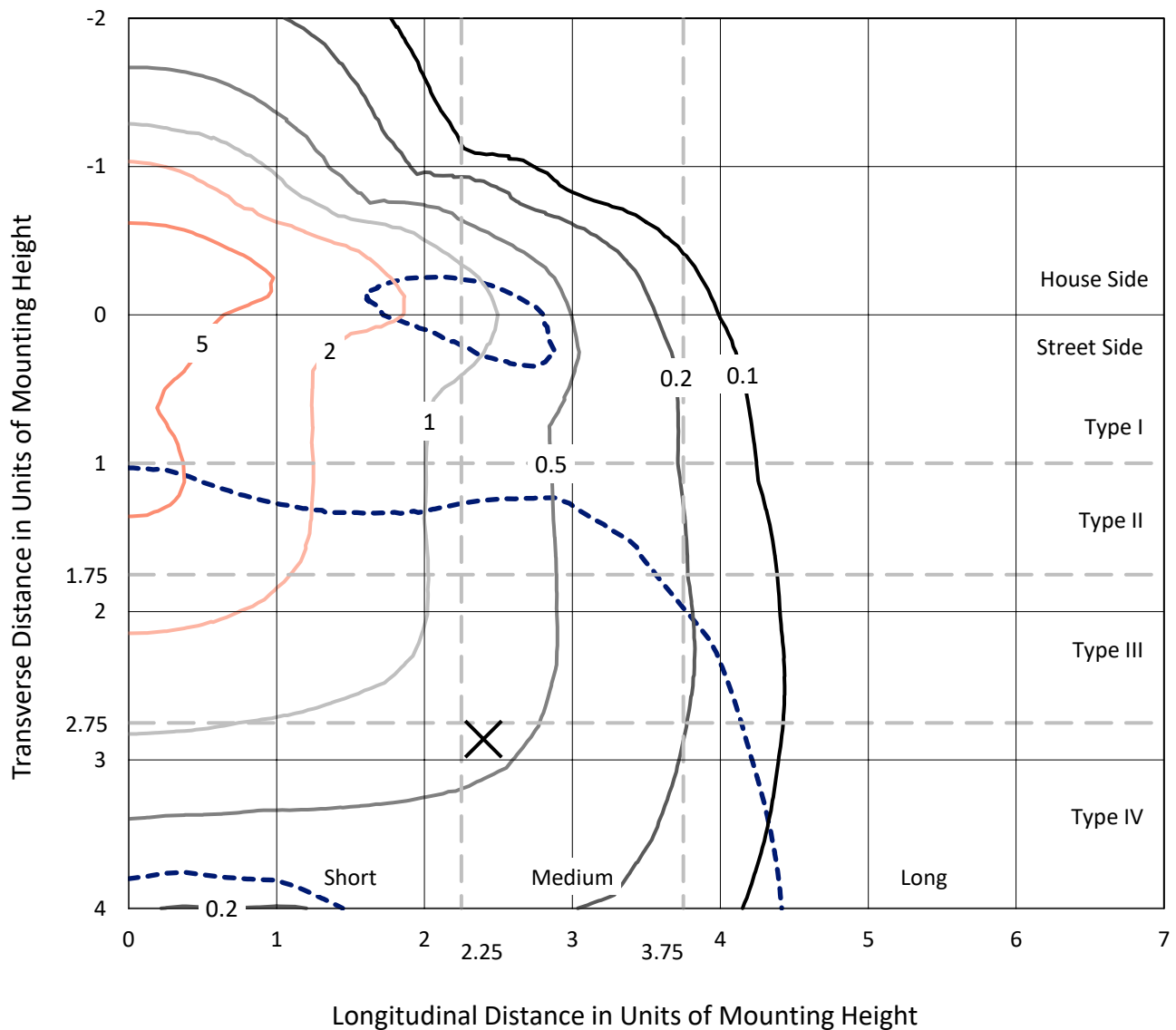
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

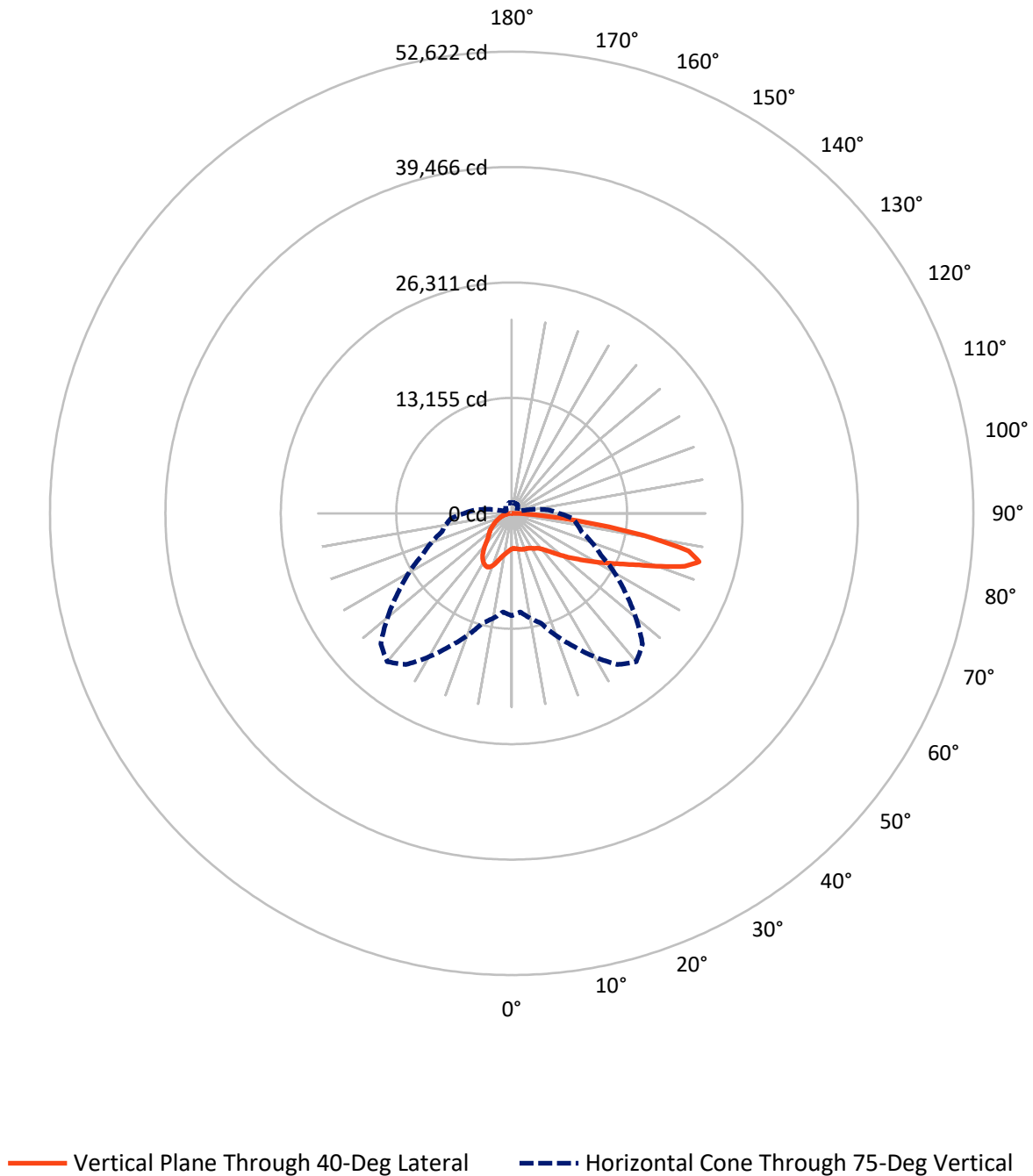
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type IV - 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    | 10982.7  | 0.0    | 10982.7 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 24464.3  | 0.0    | 24464.3 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 35447.0  | 0.0    | 35447.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 404.6   | 1.1       |
| 10°-20°   | 1358.5  | 3.8       |
| 20°-30°   | 2480.4  | 7.0       |
| 30°-40°   | 3517.9  | 9.9       |
| 40°-50°   | 4750.3  | 13.4      |
| 50°-60°   | 6390.4  | 18.0      |
| 60°-70°   | 8110.8  | 22.9      |
| 70°-80°   | 7361.1  | 20.8      |
| 80°-90°   | 1073.0  | 3.0       |
| 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°    | 35447.0 | 100.0     |
| 0°-180°   | 35447.0 | 100.0     |

**Coefficient of Utilization**



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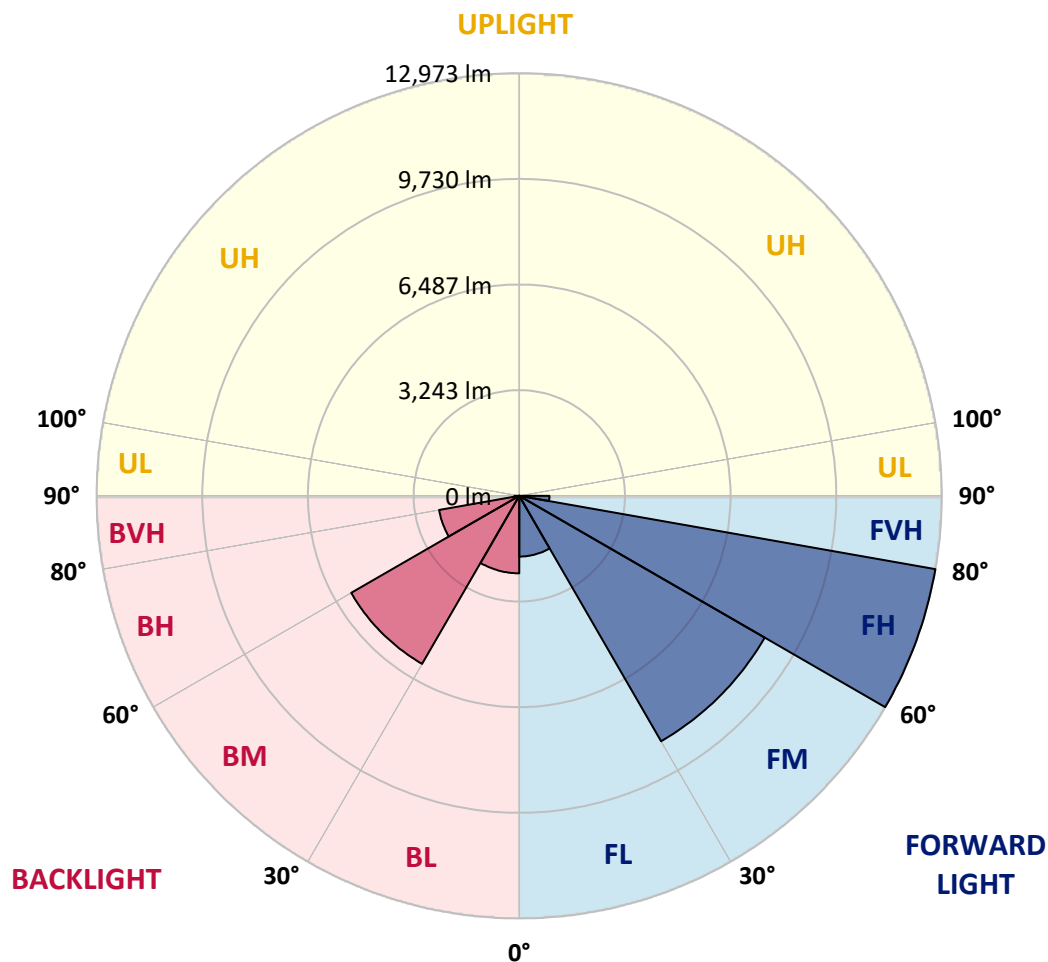
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1864.5  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 8701.4  | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 12973.1 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 925.3   | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2378.9  | 6.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5957.1  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2498.9  | 7.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 147.7   | 0.4       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4  | 4053.4 |
| 2.5°  | 3991.4  | 4013.9  | 4008.3  | 4000.8  | 4000.8  | 4002.7  | 4000.8  | 4013.9  | 4027.1  | 4040.3 |
| 5°    | 4032.7  | 4055.3  | 4044.0  | 4034.6  | 4027.1  | 4025.2  | 4019.6  | 4017.7  | 4025.2  | 4042.1 |
| 7.5°  | 4113.6  | 4136.1  | 4119.2  | 4102.3  | 4087.3  | 4079.7  | 4072.2  | 4060.9  | 4055.3  | 4064.7 |
| 10°   | 4203.8  | 4226.4  | 4205.7  | 4175.6  | 4151.2  | 4141.8  | 4134.3  | 4123.0  | 4115.5  | 4121.1 |
| 12.5° | 4294.1  | 4316.6  | 4288.4  | 4247.1  | 4215.1  | 4209.5  | 4200.1  | 4196.3  | 4194.4  | 4192.5 |
| 15°   | 4378.7  | 4397.5  | 4361.7  | 4312.9  | 4279.0  | 4269.6  | 4260.2  | 4265.9  | 4275.3  | 4286.5 |
| 17.5° | 4444.5  | 4463.3  | 4410.6  | 4346.7  | 4314.7  | 4311.0  | 4305.3  | 4324.1  | 4350.5  | 4378.7 |
| 20°   | 4504.6  | 4523.4  | 4455.7  | 4369.3  | 4331.7  | 4331.7  | 4333.5  | 4373.0  | 4410.6  | 4452.0 |
| 22.5° | 4589.2  | 4604.3  | 4521.5  | 4403.1  | 4348.6  | 4352.3  | 4367.4  | 4406.9  | 4453.9  | 4510.3 |
| 25°   | 4715.2  | 4726.5  | 4625.0  | 4467.0  | 4405.0  | 4416.3  | 4429.4  | 4448.2  | 4493.3  | 4559.1 |
| 27.5° | 4918.2  | 4927.6  | 4794.2  | 4579.8  | 4485.8  | 4504.6  | 4523.4  | 4510.3  | 4530.9  | 4587.3 |
| 30°   | 5204.0  | 5209.6  | 5040.4  | 4756.6  | 4623.1  | 4632.5  | 4636.2  | 4581.7  | 4542.2  | 4587.3 |
| 32.5° | 5542.4  | 5540.5  | 5339.4  | 4970.9  | 4779.1  | 4769.7  | 4737.8  | 4630.6  | 4538.5  | 4577.9 |
| 35°   | 6067.0  | 6046.3  | 5786.8  | 5271.7  | 4955.8  | 4897.6  | 4822.4  | 4685.1  | 4557.3  | 4568.5 |
| 37.5° | 6935.5  | 6871.6  | 6512.5  | 5764.3  | 5219.0  | 5070.5  | 4959.6  | 4773.5  | 4598.6  | 4564.8 |
| 40°   | 7915.1  | 7834.2  | 7439.4  | 6439.2  | 5613.9  | 5375.1  | 5196.5  | 4899.4  | 4666.3  | 4581.7 |
| 42.5° | 9076.9  | 8962.3  | 8537.4  | 7234.5  | 6114.0  | 5768.0  | 5499.2  | 5059.2  | 4766.0  | 4636.2 |
| 45°   | 10503.9 | 10351.6 | 9750.0  | 8131.3  | 6743.8  | 6283.2  | 5924.1  | 5301.8  | 4918.2  | 4741.5 |
| 47.5° | 11945.9 | 11983.5 | 11128.1 | 9157.8  | 7499.6  | 6918.6  | 6456.1  | 5666.5  | 5140.1  | 4910.7 |
| 50°   | 13478.2 | 13504.5 | 12498.6 | 10295.2 | 8356.9  | 7636.8  | 7054.0  | 6074.5  | 5448.4  | 5151.4 |
| 52.5° | 14673.9 | 14677.6 | 13743.2 | 11485.3 | 9249.9  | 8426.4  | 7698.9  | 6540.7  | 5805.6  | 5471.0 |
| 55°   | 15422.1 | 15412.7 | 14615.6 | 12611.4 | 10276.4 | 9255.5  | 8413.3  | 7070.9  | 6241.8  | 5847.0 |
| 57.5° | 15965.5 | 15937.3 | 15217.2 | 13579.7 | 11370.6 | 10235.1 | 9221.7  | 7672.5  | 6756.9  | 6294.4 |
| 60°   | 16172.3 | 16155.4 | 15625.2 | 14416.3 | 12521.2 | 11318.0 | 10154.2 | 8345.6  | 7341.6  | 6822.7 |
| 62.5° | 16251.2 | 16283.2 | 16025.6 | 15226.6 | 13752.6 | 12517.4 | 11178.8 | 9150.3  | 7999.7  | 7420.6 |
| 65°   | 16529.5 | 16587.8 | 16535.1 | 16287.0 | 15143.9 | 13921.9 | 12538.1 | 10107.2 | 8717.8  | 8061.7 |
| 67.5° | 17080.4 | 17138.6 | 17161.2 | 17556.0 | 16843.5 | 15672.2 | 14233.9 | 11299.2 | 9558.2  | 8727.2 |
| 70°   | 17067.2 | 17050.3 | 17448.8 | 18565.6 | 18971.7 | 18095.6 | 16520.1 | 12765.6 | 10560.3 | 9280.0 |
| 72.5° | 15534.9 | 15399.6 | 16341.5 | 18554.3 | 20742.7 | 20626.2 | 19312.0 | 14657.0 | 11425.1 | 9347.7 |
| 75°   | 11654.5 | 11293.5 | 12957.4 | 16721.3 | 21037.9 | 22062.5 | 21086.8 | 15830.1 | 11220.2 | 8259.1 |
| 77.5° | 4984.0  | 4621.2  | 6582.1  | 12378.3 | 18828.8 | 20624.3 | 19458.6 | 13810.9 | 8956.6  | 5461.6 |
| 80°   | 1304.8  | 1302.9  | 1989.1  | 5612.0  | 12805.1 | 15230.4 | 13361.6 | 8919.0  | 5117.5  | 1951.5 |
| 82.5° | 539.6   | 526.4   | 731.3   | 2182.8  | 6256.8  | 8546.8  | 6975.0  | 3978.2  | 1848.1  | 528.3  |
| 85°   | 201.2   | 199.3   | 355.3   | 753.9   | 2207.2  | 3525.1  | 2551.2  | 1017.1  | 460.6   | 257.6  |
| 87.5° | 56.4    | 54.5    | 77.1    | 261.3   | 537.7   | 815.9   | 436.2   | 167.3   | 129.7   | 101.5  |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4053.4  | 0°    | 4053.4  | 4053.4  | 4053.4 | 4053.4 | 4053.4 | 4053.4 | 4053.4 | 4053.4 | 4053.4 | 4053.4 |
| 4060.9  | 2.5°  | 4066.6  | 4076.0  | 4092.9 | 4106.1 | 4123.0 | 4141.8 | 4168.1 | 4185.0 | 4201.9 | 4213.2 |
| 4070.3  | 5°    | 4083.5  | 4104.2  | 4147.4 | 4190.7 | 4241.4 | 4288.4 | 4342.9 | 4382.4 | 4414.4 | 4423.8 |
| 4104.2  | 7.5°  | 4121.1  | 4154.9  | 4228.3 | 4301.6 | 4382.4 | 4459.5 | 4538.5 | 4606.1 | 4660.7 | 4681.4 |
| 4164.3  | 10°   | 4186.9  | 4232.0  | 4335.4 | 4438.8 | 4546.0 | 4664.4 | 4766.0 | 4863.7 | 4940.8 | 4972.8 |
| 4235.8  | 12.5° | 4269.6  | 4326.0  | 4461.4 | 4604.3 | 4752.8 | 4916.4 | 5048.0 | 5168.3 | 5264.2 | 5307.4 |
| 4335.4  | 15°   | 4376.8  | 4450.1  | 4623.1 | 4814.8 | 5032.9 | 5260.4 | 5427.7 | 5561.2 | 5668.4 | 5721.0 |
| 4438.8  | 17.5° | 4493.3  | 4591.1  | 4809.2 | 5098.7 | 5410.8 | 5709.7 | 5905.3 | 6003.0 | 6114.0 | 6164.7 |
| 4534.7  | 20°   | 4606.1  | 4726.5  | 5038.6 | 5459.7 | 5875.2 | 6192.9 | 6350.8 | 6377.2 | 6384.7 | 6390.3 |
| 4625.0  | 22.5° | 4722.7  | 4884.4  | 5326.2 | 5914.7 | 6360.2 | 6580.2 | 6602.8 | 6490.0 | 6332.0 | 6258.7 |
| 4713.3  | 25°   | 4850.6  | 5064.9  | 5702.2 | 6416.6 | 6777.6 | 6803.9 | 6631.0 | 6356.5 | 6057.6 | 5920.3 |
| 4784.8  | 27.5° | 4974.6  | 5273.6  | 6153.4 | 6896.1 | 7078.4 | 6847.2 | 6474.9 | 6085.8 | 5724.8 | 5580.0 |
| 4835.5  | 30°   | 5098.7  | 5512.3  | 6651.7 | 7315.3 | 7215.7 | 6740.0 | 6228.6 | 5794.3 | 5431.5 | 5279.2 |
| 4880.6  | 32.5° | 5224.7  | 5790.6  | 7225.1 | 7618.0 | 7191.2 | 6512.5 | 5922.2 | 5467.2 | 5147.6 | 4987.8 |
| 4920.1  | 35°   | 5367.6  | 6132.8  | 7768.4 | 7783.5 | 7027.7 | 6177.9 | 5518.0 | 5076.2 | 4797.9 | 4670.1 |
| 4967.1  | 37.5° | 5553.7  | 6567.1  | 8247.8 | 7824.8 | 6741.9 | 5687.2 | 5016.0 | 4613.7 | 4384.3 | 4326.0 |
| 5036.7  | 40°   | 5784.9  | 7089.7  | 8614.4 | 7759.0 | 6318.9 | 5091.2 | 4467.0 | 4145.5 | 4015.8 | 4029.0 |
| 5130.7  | 42.5° | 6085.8  | 7674.4  | 8872.0 | 7589.8 | 5730.4 | 4476.4 | 3985.7 | 3842.8 | 3904.9 | 3957.5 |
| 5271.7  | 45°   | 6476.8  | 8281.7  | 9031.8 | 7302.2 | 5064.9 | 3955.6 | 3701.8 | 3735.7 | 3782.7 | 3788.3 |
| 5499.2  | 47.5° | 6976.9  | 8896.4  | 9137.1 | 6867.9 | 4386.2 | 3589.0 | 3521.4 | 3528.9 | 3519.5 | 3480.0 |
| 5839.5  | 50°   | 7601.1  | 9494.3  | 9231.1 | 6292.6 | 3809.0 | 3359.7 | 3269.4 | 3243.1 | 3113.4 | 2985.5 |
| 6292.6  | 52.5° | 8311.8  | 10043.3 | 9270.6 | 5578.1 | 3359.7 | 3167.9 | 3021.3 | 2855.8 | 2613.3 | 2573.8 |
| 6862.2  | 55°   | 9101.4  | 10550.9 | 9169.1 | 4700.2 | 2981.8 | 2921.6 | 2699.8 | 2500.5 | 2474.2 | 2440.3 |
| 7612.4  | 57.5° | 10045.2 | 11098.0 | 8962.3 | 3720.6 | 2594.5 | 2634.0 | 2417.8 | 2440.3 | 2393.3 | 2340.7 |
| 8576.8  | 60°   | 11077.3 | 11663.9 | 8599.4 | 2827.6 | 2194.0 | 2274.9 | 2344.4 | 2342.6 | 2329.4 | 2286.2 |
| 9594.0  | 62.5° | 12006.1 | 12036.2 | 7885.0 | 2165.8 | 1842.5 | 1996.6 | 2186.5 | 2184.6 | 2173.4 | 2148.9 |
| 10656.2 | 65°   | 12558.8 | 11979.7 | 6693.0 | 1705.2 | 1552.9 | 1767.3 | 1972.2 | 1987.2 | 1989.1 | 1987.2 |
| 11455.2 | 67.5° | 12461.0 | 11319.8 | 5057.4 | 1357.4 | 1314.2 | 1534.1 | 1759.7 | 1780.4 | 1795.5 | 1799.2 |
| 11556.7 | 70°   | 11355.6 | 9870.3  | 3297.6 | 1082.9 | 1101.7 | 1329.2 | 1558.6 | 1579.3 | 1592.4 | 1607.5 |
| 10028.2 | 72.5° | 8851.3  | 7257.0  | 1887.6 | 876.1  | 915.6  | 1152.5 | 1359.3 | 1383.7 | 1391.2 | 1419.4 |
| 6978.8  | 75°   | 5393.9  | 4267.7  | 1019.0 | 690.0  | 752.0  | 985.2  | 1161.9 | 1190.1 | 1203.2 | 1237.1 |
| 3427.4  | 77.5° | 2564.4  | 1848.1  | 580.9  | 537.7  | 605.4  | 804.7  | 981.4  | 1013.4 | 977.6  | 996.4  |
| 945.7   | 80°   | 866.7   | 686.2   | 366.6  | 409.9  | 462.5  | 627.9  | 785.9  | 817.8  | 742.6  | 738.9  |
| 314.0   | 82.5° | 302.7   | 278.2   | 233.1  | 272.6  | 298.9  | 449.3  | 594.1  | 635.5  | 552.7  | 550.9  |
| 141.0   | 85°   | 118.4   | 112.8   | 129.7  | 148.5  | 178.6  | 276.4  | 391.1  | 411.7  | 340.3  | 274.5  |
| 41.4    | 87.5° | 24.4    | 26.3    | 32.0   | 33.8   | 54.5   | 95.9   | 141.0  | 173.0  | 137.2  | 116.6  |
| 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°   |
|--------|
| 4053.4 |
| 4205.7 |
| 4427.5 |
| 4683.2 |
| 4974.6 |
| 5307.4 |
| 5717.3 |
| 6162.8 |
| 6405.4 |
| 6279.4 |
| 5941.0 |
| 5596.9 |
| 5296.1 |
| 5008.5 |
| 4698.3 |
| 4367.4 |
| 4074.1 |
| 4006.4 |
| 3825.9 |
| 3510.1 |
| 3002.5 |
| 2587.0 |
| 2446.0 |
| 2331.3 |
| 2271.1 |
| 2139.5 |
| 1987.2 |
| 1803.0 |
| 1615.0 |
| 1430.7 |
| 1240.8 |
| 981.4  |
| 731.3  |
| 524.5  |
| 270.7  |
| 107.2  |
| 0.0    |