

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: P853035

Luminaire Tested: **GLAN-SB8B-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35192 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

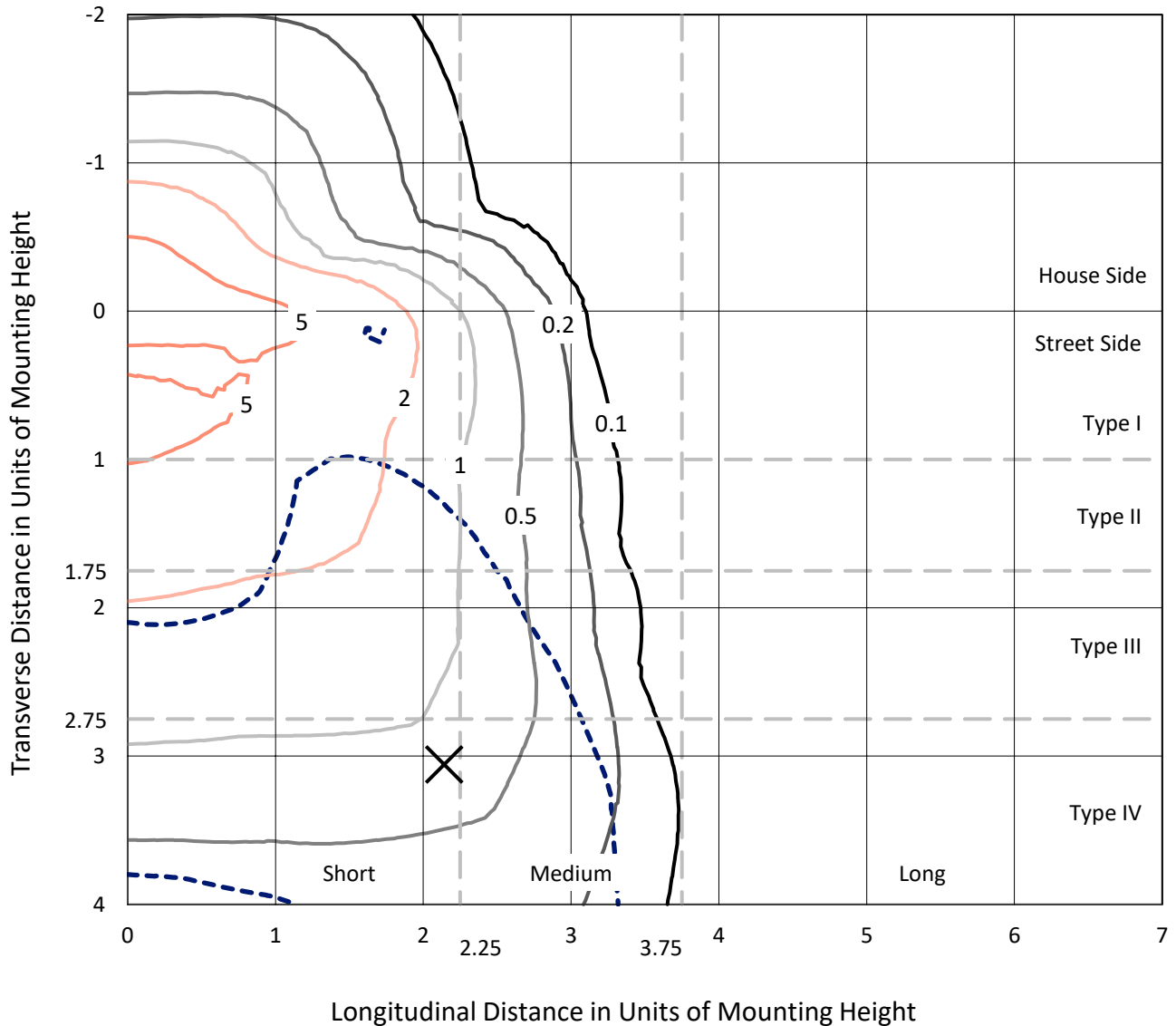
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

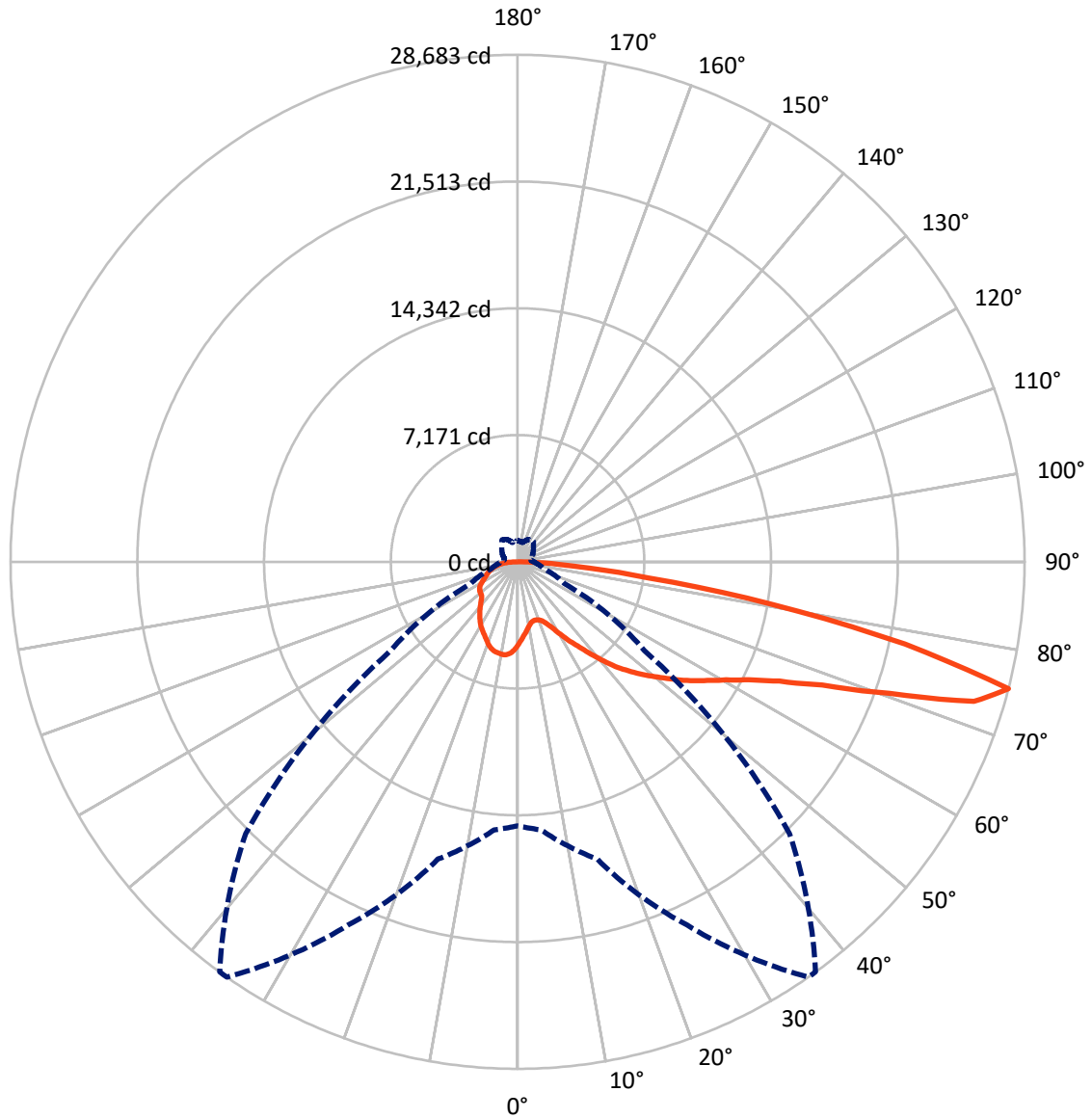
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8374.8   | 0.0    | 8374.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 26817.2  | 0.0    | 26817.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 35192.0  | 0.0    | 35192.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 444.0   | 1.3       |
| 10°-20°   | 1280.7  | 3.6       |
| 20°-30°   | 2150.7  | 6.1       |
| 30°-40°   | 3342.4  | 9.5       |
| 40°-50°   | 4961.0  | 14.1      |
| 50°-60°   | 6849.0  | 19.5      |
| 60°-70°   | 8309.4  | 23.6      |
| 70°-80°   | 6867.1  | 19.5      |
| 80°-90°   | 987.7   | 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°    | 35192.0 | 100.0     |
| 0°-180°   | 35192.0 | 100.0     |

**Coefficient of Utilization**

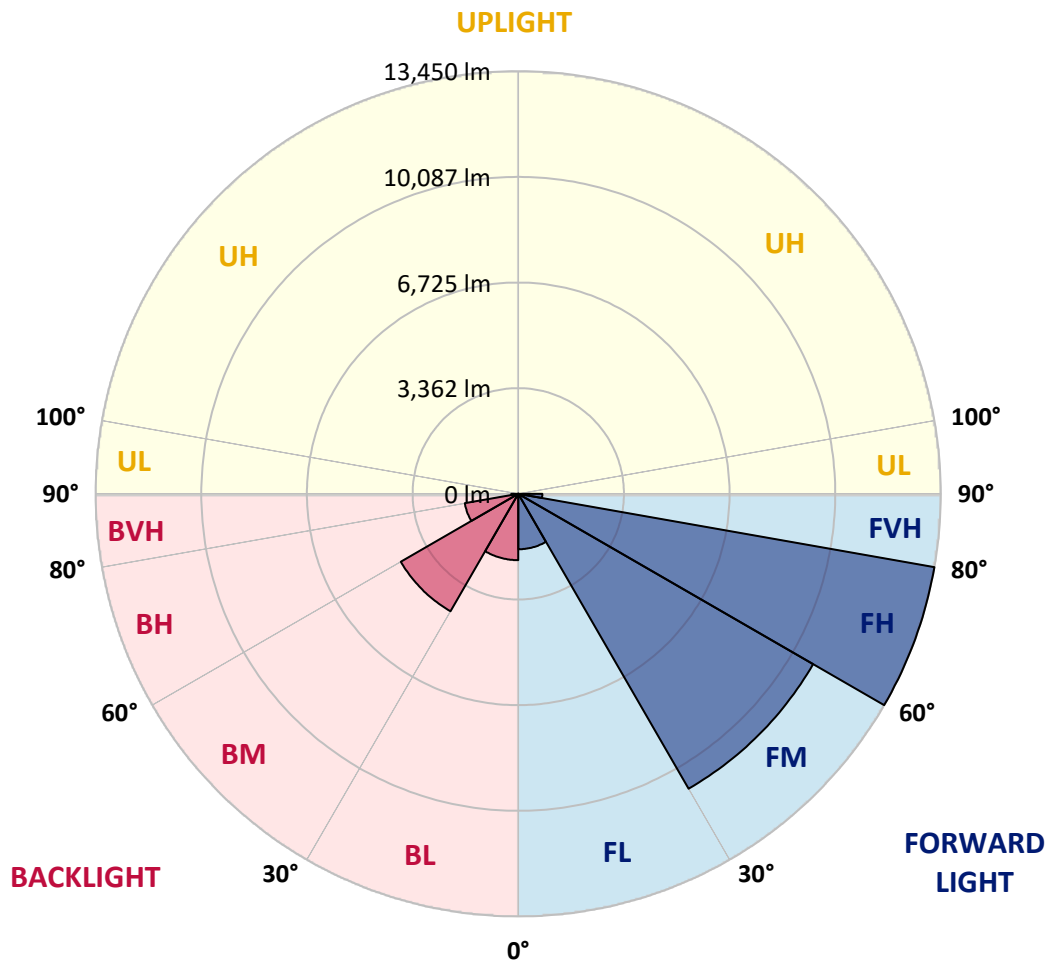


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 1764.8  | 5.0       |                         |      |         |
| FM (30°-60°)   | 10837.2 | 30.8      |                         |      |         |
| FH (60°-80°)   | 13449.9 | 38.2      |                         |      | G5      |
| FVH (80°-90°)  | 765.3   | 2.2       |                         |      | G5      |
| BL (0°-30°)    | 2110.6  | 6.0       | B3/2500                 |      |         |
| BM (30°-60°)   | 4315.2  | 12.3      | B3/5000                 |      |         |
| BH (60°-80°)   | 1726.6  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 222.4   | 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°    | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  | 4689.6  |
| 2.5°  | 4324.3  | 4350.9  | 4362.3  | 4356.6  | 4385.2  | 4381.4  | 4421.3  | 4470.8  | 4539.3  | 4605.9  |
| 5°    | 3991.4  | 4019.9  | 4044.6  | 4067.5  | 4122.6  | 4139.8  | 4202.5  | 4297.7  | 4423.2  | 4550.7  |
| 7.5°  | 3681.3  | 3706.0  | 3744.0  | 3785.9  | 3879.1  | 3896.2  | 4000.9  | 4149.3  | 4324.3  | 4510.7  |
| 10°   | 3428.2  | 3453.0  | 3492.9  | 3540.5  | 3656.5  | 3677.5  | 3810.6  | 4008.5  | 4236.8  | 4472.7  |
| 12.5° | 3319.8  | 3327.4  | 3350.2  | 3397.8  | 3498.6  | 3511.9  | 3658.4  | 3884.8  | 4151.2  | 4444.2  |
| 15°   | 3314.1  | 3329.3  | 3331.2  | 3355.9  | 3439.7  | 3445.4  | 3580.4  | 3804.9  | 4097.9  | 4438.4  |
| 17.5° | 3371.2  | 3382.6  | 3365.5  | 3380.7  | 3451.1  | 3460.6  | 3567.1  | 3766.9  | 4080.8  | 4463.2  |
| 20°   | 3523.4  | 3532.9  | 3481.5  | 3460.6  | 3511.9  | 3519.6  | 3624.2  | 3791.6  | 4097.9  | 4514.5  |
| 22.5° | 3846.8  | 3852.5  | 3726.9  | 3641.3  | 3645.1  | 3648.9  | 3740.2  | 3892.4  | 4164.5  | 4607.8  |
| 25°   | 4350.9  | 4347.1  | 4147.4  | 3981.9  | 3886.7  | 3865.8  | 3926.7  | 4056.1  | 4276.7  | 4731.4  |
| 27.5° | 4940.7  | 4912.2  | 4712.4  | 4465.1  | 4257.7  | 4227.3  | 4214.0  | 4269.1  | 4436.5  | 4895.0  |
| 30°   | 5606.6  | 5579.9  | 5364.9  | 5041.5  | 4754.3  | 4704.8  | 4579.2  | 4550.7  | 4674.4  | 5117.6  |
| 32.5° | 6337.1  | 6320.0  | 6063.2  | 5671.2  | 5286.9  | 5229.9  | 5018.7  | 4942.6  | 5039.6  | 5454.4  |
| 35°   | 6949.7  | 6934.5  | 6721.4  | 6318.1  | 5848.2  | 5777.8  | 5562.8  | 5477.2  | 5526.7  | 5886.2  |
| 37.5° | 7503.3  | 7495.7  | 7313.1  | 6995.4  | 6510.2  | 6424.6  | 6183.0  | 6154.5  | 6145.0  | 6455.1  |
| 40°   | 8017.0  | 7998.0  | 7807.7  | 7640.3  | 7280.7  | 7202.7  | 6989.7  | 6964.9  | 6892.6  | 7155.2  |
| 42.5° | 8585.8  | 8536.4  | 8260.5  | 8182.5  | 8085.5  | 8020.8  | 7893.3  | 7897.1  | 7737.3  | 7944.7  |
| 45°   | 9050.0  | 9021.5  | 8738.0  | 8692.4  | 8797.0  | 8770.4  | 8880.7  | 8909.2  | 8599.1  | 8772.3  |
| 47.5° | 9548.5  | 9521.8  | 9282.1  | 9249.8  | 9533.2  | 9540.9  | 9930.9  | 9940.4  | 9440.0  | 9632.2  |
| 50°   | 10163.0 | 10124.9 | 9887.1  | 9927.1  | 10244.8 | 10273.3 | 10986.7 | 10922.0 | 10214.3 | 10505.4 |
| 52.5° | 10568.2 | 10591.0 | 10539.6 | 10604.3 | 11038.1 | 11064.7 | 12025.5 | 11860.0 | 10981.0 | 11367.2 |
| 55°   | 10866.9 | 10912.5 | 11072.3 | 11220.7 | 11875.2 | 11901.8 | 13005.2 | 12752.2 | 11616.4 | 12166.3 |
| 57.5° | 11251.2 | 11186.5 | 11485.2 | 11774.3 | 12670.4 | 12740.8 | 13958.4 | 13612.1 | 12179.6 | 12854.9 |
| 60°   | 11802.9 | 11757.2 | 11989.3 | 12417.4 | 13560.8 | 13673.0 | 14966.7 | 14386.4 | 12592.4 | 13401.0 |
| 62.5° | 12921.5 | 12807.4 | 12843.5 | 13222.1 | 14683.2 | 14831.6 | 16104.4 | 15061.8 | 12797.9 | 13614.0 |
| 65°   | 14593.8 | 14397.8 | 14215.2 | 14477.7 | 16264.2 | 16410.6 | 17388.5 | 15592.6 | 12721.8 | 13201.2 |
| 67.5° | 16699.8 | 16505.8 | 16281.3 | 16528.6 | 18592.8 | 18708.8 | 18973.3 | 15891.3 | 12122.5 | 11610.7 |
| 70°   | 18436.8 | 18364.5 | 18632.7 | 19650.5 | 22312.1 | 22315.9 | 21005.1 | 15644.0 | 10480.7 | 8232.0  |
| 72.5° | 18206.6 | 18162.8 | 19576.3 | 22723.0 | 26999.8 | 26898.9 | 22928.5 | 13771.9 | 7060.0  | 3713.6  |
| 75°   | 14936.2 | 15219.7 | 17409.4 | 22667.9 | 28683.4 | 28670.1 | 21750.9 | 8755.1  | 2920.3  | 1539.1  |
| 77.5° | 8009.4  | 8458.4  | 11302.5 | 16736.0 | 22392.0 | 22728.7 | 15292.0 | 3063.0  | 1253.7  | 985.5   |
| 80°   | 2612.1  | 3004.0  | 4505.0  | 8521.1  | 14550.0 | 14487.3 | 6554.0  | 1202.4  | 858.0   | 698.2   |
| 82.5° | 1109.1  | 1154.8  | 2012.8  | 4023.7  | 7467.2  | 7351.1  | 2087.0  | 690.6   | 603.1   | 477.5   |
| 85°   | 433.8   | 485.1   | 888.5   | 1860.6  | 3234.2  | 3163.8  | 753.4   | 342.4   | 386.2   | 312.0   |
| 87.5° | 142.7   | 173.1   | 317.7   | 637.3   | 1006.4  | 970.3   | 184.5   | 118.0   | 167.4   | 142.7   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4689.6  | 0°    | 4689.6  | 4689.6  | 4689.6 | 4689.6 | 4689.6 | 4689.6 | 4689.6 | 4689.6 | 4689.6 | 4689.6 |
| 4702.9  | 2.5°  | 4729.5  | 4760.0  | 4796.1 | 4849.4 | 4895.0 | 4933.1 | 4973.0 | 4997.8 | 5007.3 | 5035.8 |
| 4710.5  | 5°    | 4763.8  | 4830.4  | 4919.8 | 5007.3 | 5092.9 | 5144.3 | 5189.9 | 5212.7 | 5233.7 | 5248.9 |
| 4731.4  | 7.5°  | 4820.8  | 4906.5  | 5047.2 | 5161.4 | 5233.7 | 5275.5 | 5306.0 | 5298.4 | 5306.0 | 5309.8 |
| 4754.3  | 10°   | 4870.3  | 4990.2  | 5157.6 | 5266.0 | 5321.2 | 5323.1 | 5315.5 | 5288.8 | 5275.5 | 5277.4 |
| 4788.5  | 12.5° | 4929.3  | 5062.5  | 5243.2 | 5334.5 | 5349.7 | 5307.9 | 5275.5 | 5229.9 | 5212.7 | 5205.1 |
| 4839.9  | 15°   | 5009.2  | 5161.4  | 5336.4 | 5370.7 | 5332.6 | 5279.3 | 5224.2 | 5150.0 | 5111.9 | 5081.5 |
| 4927.4  | 17.5° | 5106.2  | 5273.6  | 5408.7 | 5384.0 | 5302.2 | 5214.7 | 5125.2 | 5013.0 | 4935.0 | 4902.6 |
| 5047.2  | 20°   | 5241.3  | 5391.6  | 5463.9 | 5355.4 | 5231.8 | 5098.6 | 4946.4 | 4809.4 | 4737.1 | 4704.8 |
| 5199.4  | 22.5° | 5404.9  | 5549.5  | 5517.1 | 5306.0 | 5130.9 | 4917.9 | 4727.6 | 4626.8 | 4590.6 | 4567.8 |
| 5395.4  | 25°   | 5600.9  | 5724.5  | 5555.2 | 5233.7 | 4965.4 | 4678.2 | 4531.7 | 4499.3 | 4482.2 | 4465.1 |
| 5635.1  | 27.5° | 5855.8  | 5922.4  | 5583.7 | 5127.1 | 4706.7 | 4423.2 | 4370.0 | 4375.7 | 4370.0 | 4341.4 |
| 5968.0  | 30°   | 6192.5  | 6179.2  | 5610.4 | 4954.0 | 4409.9 | 4193.0 | 4196.8 | 4221.6 | 4225.4 | 4206.3 |
| 6432.2  | 32.5° | 6635.8  | 6500.7  | 5623.7 | 4729.5 | 4126.4 | 3991.4 | 3995.2 | 4021.8 | 4040.8 | 4008.5 |
| 7039.1  | 35°   | 7172.3  | 6875.5  | 5602.8 | 4448.0 | 3907.7 | 3799.2 | 3770.7 | 3778.3 | 3784.0 | 3753.6 |
| 7775.4  | 37.5° | 7798.2  | 7295.9  | 5509.5 | 4136.0 | 3726.9 | 3610.9 | 3550.0 | 3498.6 | 3468.2 | 3439.7 |
| 8608.6  | 40°   | 8485.0  | 7754.4  | 5338.3 | 3831.6 | 3525.3 | 3411.1 | 3319.8 | 3222.8 | 3120.0 | 3082.0 |
| 9491.4  | 42.5° | 9204.1  | 8226.3  | 5130.9 | 3540.5 | 3293.2 | 3199.9 | 3102.9 | 2962.1 | 2808.0 | 2730.0 |
| 10408.4 | 45°   | 9949.9  | 8709.5  | 4927.4 | 3253.2 | 3055.4 | 3015.4 | 2903.2 | 2733.8 | 2566.4 | 2467.5 |
| 11327.3 | 47.5° | 10680.4 | 9166.1  | 4628.7 | 2964.0 | 2832.8 | 2876.5 | 2789.0 | 2633.0 | 2446.6 | 2290.6 |
| 12238.5 | 50°   | 11378.6 | 9594.1  | 4139.8 | 2671.1 | 2652.0 | 2834.7 | 2751.0 | 2526.5 | 2313.4 | 2113.6 |
| 13132.7 | 52.5° | 12071.1 | 9940.4  | 3513.8 | 2404.7 | 2555.0 | 2823.3 | 2701.5 | 2454.2 | 2193.5 | 1984.3 |
| 13973.6 | 55°   | 12659.0 | 10119.2 | 2910.8 | 2176.4 | 2414.2 | 2726.2 | 2642.5 | 2368.6 | 2024.2 | 1801.6 |
| 14550.0 | 57.5° | 12993.8 | 9974.6  | 2408.5 | 1951.9 | 2220.2 | 2566.4 | 2541.7 | 2185.9 | 1822.6 | 1651.3 |
| 14662.3 | 60°   | 12849.2 | 9388.7  | 1997.6 | 1756.0 | 2035.6 | 2393.3 | 2366.7 | 2005.2 | 1668.5 | 1506.8 |
| 14061.1 | 62.5° | 12052.1 | 8271.9  | 1672.3 | 1584.8 | 1868.2 | 2216.4 | 2191.6 | 1866.3 | 1550.5 | 1394.5 |
| 12464.9 | 65°   | 10446.4 | 6729.0  | 1419.2 | 1442.1 | 1698.9 | 2003.3 | 2039.4 | 1750.3 | 1457.3 | 1305.1 |
| 9643.6  | 67.5° | 7967.5  | 4874.1  | 1221.4 | 1318.4 | 1533.4 | 1794.0 | 1898.7 | 1666.6 | 1379.3 | 1234.7 |
| 5579.9  | 70°   | 4541.2  | 2768.1  | 1054.0 | 1198.6 | 1386.9 | 1600.0 | 1790.2 | 1600.0 | 1295.6 | 1175.7 |
| 2090.8  | 72.5° | 1721.7  | 1270.8  | 911.3  | 1078.7 | 1246.1 | 1436.4 | 1670.4 | 1495.3 | 1198.6 | 1109.1 |
| 1080.6  | 75°   | 918.9   | 774.3   | 766.7  | 937.9  | 1084.4 | 1276.6 | 1520.1 | 1392.6 | 1126.3 | 1171.9 |
| 747.7   | 77.5° | 625.9   | 547.9   | 641.1  | 802.8  | 907.5  | 1099.6 | 1360.3 | 1236.6 | 976.0  | 972.2  |
| 517.5   | 80°   | 433.8   | 388.1   | 521.3  | 646.8  | 702.0  | 924.6  | 1187.1 | 1061.6 | 795.2  | 742.0  |
| 319.6   | 82.5° | 260.6   | 253.0   | 390.0  | 483.2  | 496.5  | 713.4  | 983.6  | 890.4  | 650.6  | 566.9  |
| 190.2   | 85°   | 142.7   | 150.3   | 249.2  | 283.5  | 289.2  | 498.4  | 770.5  | 688.7  | 500.3  | 420.4  |
| 68.5    | 87.5° | 40.0    | 51.4    | 91.3   | 112.2  | 138.9  | 258.7  | 458.5  | 409.0  | 251.1  | 175.0  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| <u>180°</u>   |
|---------------|
| 4689.6        |
| 5033.9        |
| 5252.7        |
| 5315.5        |
| 5281.2        |
| 5201.3        |
| 5091.0        |
| 4904.6        |
| 4701.0        |
| 4571.6        |
| 4465.1        |
| 4347.1        |
| 4215.9        |
| 4023.7        |
| 3774.5        |
| 3458.7        |
| 3099.1        |
| 2739.5        |
| 2459.9        |
| 2273.4        |
| 2096.5        |
| 1961.4        |
| 1782.6        |
| 1628.5        |
| 1483.9        |
| 1369.8        |
| 1280.4        |
| 1211.9        |
| 1160.5        |
| 1093.9        |
| <i>1210.0</i> |
| 896.1         |
| 709.6         |
| 570.7         |
| 424.2         |
| 175.0         |
| 0.0           |

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