

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: P942457

Luminaire Tested: **GLAN-SB6C-722-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37542 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
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



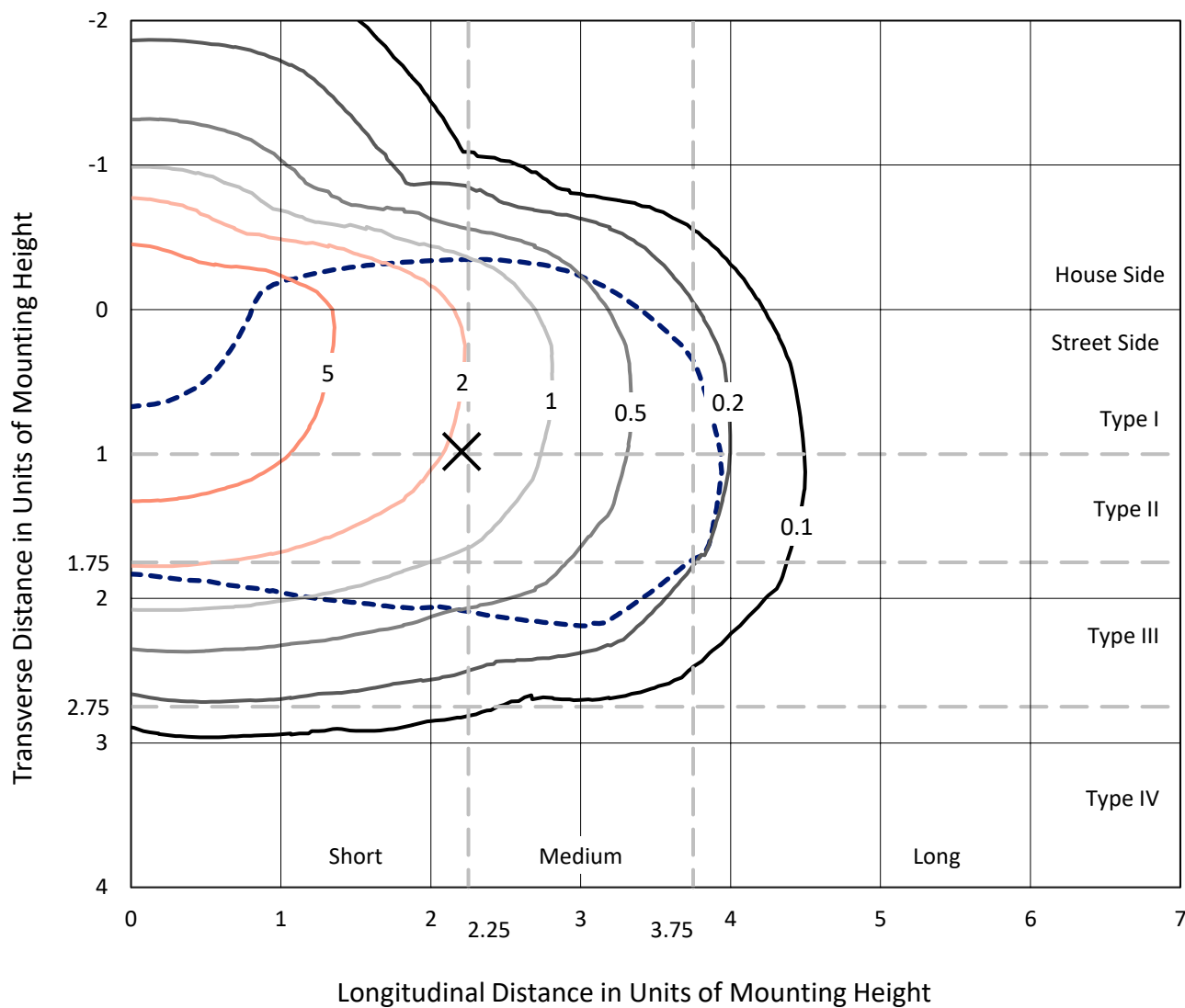
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

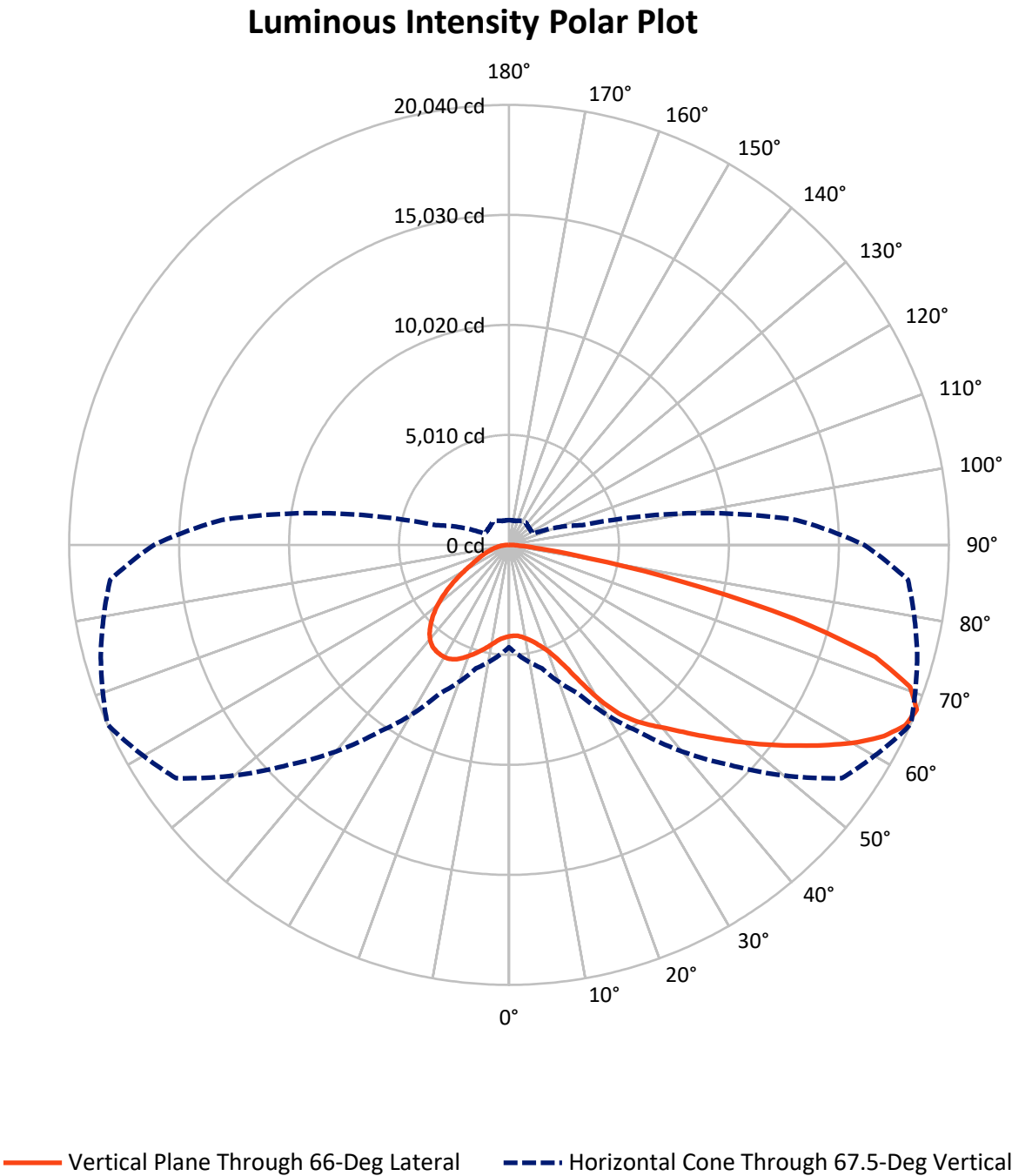
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc

Type III - Short - N/A

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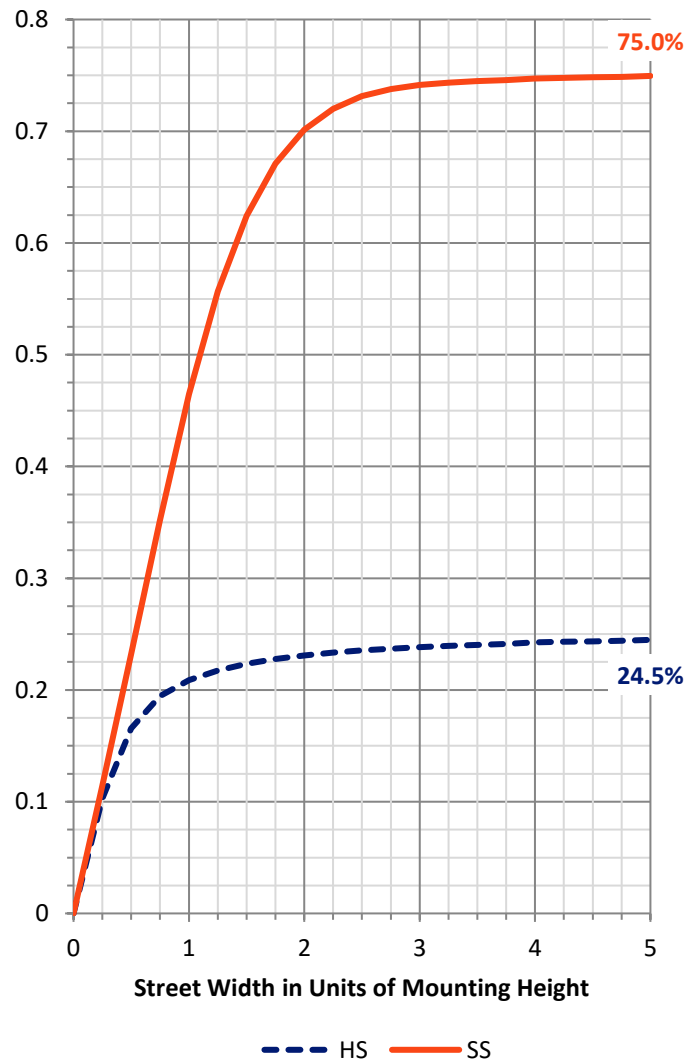
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9334.7   | 0.0    | 9334.7  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 28207.3  | 0.0    | 28207.3 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 37542.0  | 0.0    | 37542.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 412.8   | 1.1       |
| 10°-20°   | 1363.9  | 3.6       |
| 20°-30°   | 2628.9  | 7.0       |
| 30°-40°   | 4609.5  | 12.3      |
| 40°-50°   | 6852.8  | 18.3      |
| 50°-60°   | 8686.6  | 23.1      |
| 60°-70°   | 8499.6  | 22.6      |
| 70°-80°   | 4054.4  | 10.8      |
| 80°-90°   | 433.3   | 1.2       |
| 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°    | 37542.0 | 100.0     |
| 0°-180°   | 37542.0 | 100.0     |

**Coefficient of Utilization**



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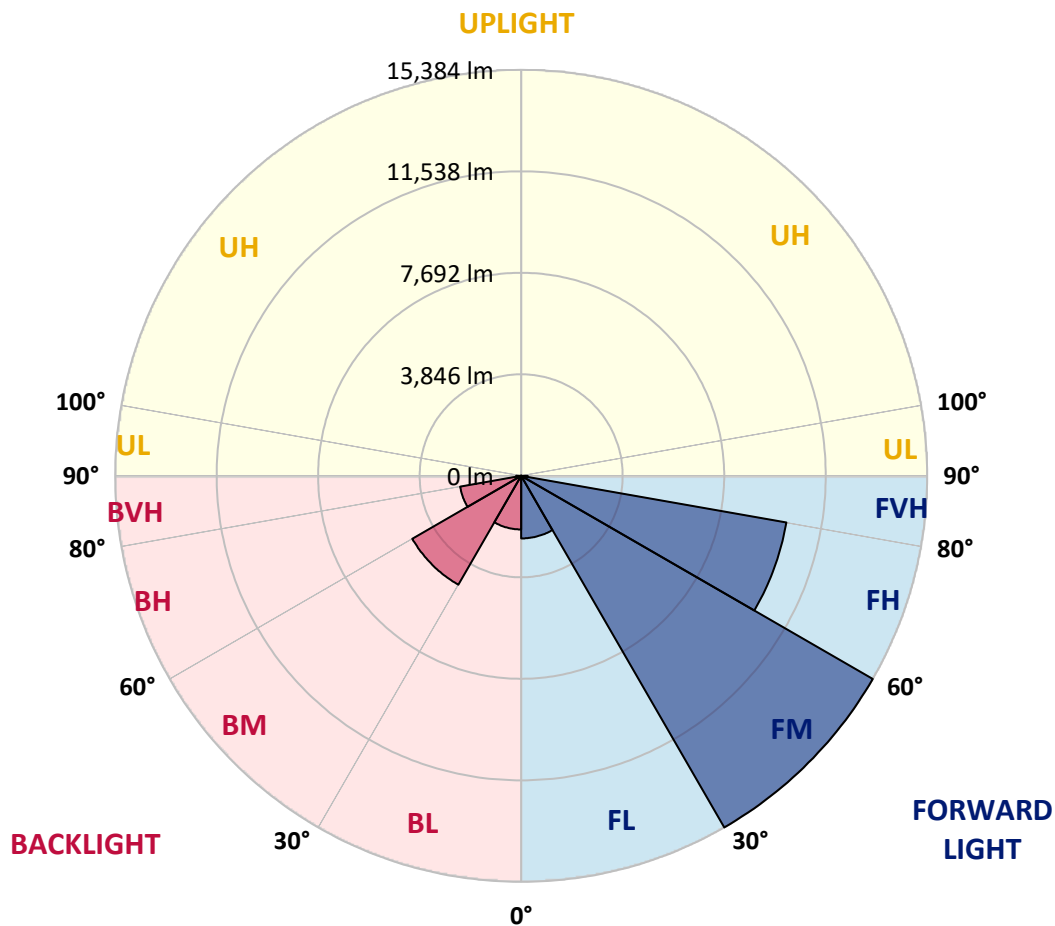
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2372.3  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 15384.4 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 10204.9 | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 245.7   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2033.4  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4764.5  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2349.1  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 187.6   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  | 4163.9  |
| 2.5°  | 4120.5  | 4144.2  | 4138.3  | 4128.4  | 4126.4  | 4130.4  | 4136.3  | 4142.2  | 4140.2  | 4150.1  |
| 5°    | 4108.7  | 4132.3  | 4130.4  | 4130.4  | 4138.3  | 4154.0  | 4163.9  | 4173.8  | 4163.9  | 4175.7  |
| 7.5°  | 4116.6  | 4134.3  | 4142.2  | 4150.1  | 4169.8  | 4199.4  | 4223.1  | 4244.8  | 4232.9  | 4246.7  |
| 10°   | 4217.2  | 4231.0  | 4238.9  | 4238.9  | 4252.7  | 4286.2  | 4309.9  | 4349.3  | 4339.5  | 4361.2  |
| 12.5° | 4400.6  | 4414.4  | 4414.4  | 4406.5  | 4416.4  | 4438.1  | 4446.0  | 4489.4  | 4471.6  | 4507.1  |
| 15°   | 4625.5  | 4653.1  | 4631.4  | 4617.6  | 4621.5  | 4643.2  | 4641.2  | 4674.8  | 4657.0  | 4686.6  |
| 17.5° | 4874.0  | 4909.5  | 4874.0  | 4872.0  | 4864.1  | 4887.8  | 4889.8  | 4919.4  | 4887.8  | 4909.5  |
| 20°   | 5167.9  | 5217.2  | 5187.6  | 5197.5  | 5179.7  | 5189.6  | 5199.5  | 5242.9  | 5193.5  | 5209.3  |
| 22.5° | 5582.1  | 5641.3  | 5609.7  | 5647.2  | 5635.4  | 5627.5  | 5625.5  | 5702.4  | 5625.5  | 5631.4  |
| 25°   | 6185.7  | 6256.7  | 6201.5  | 6252.8  | 6252.8  | 6278.4  | 6308.0  | 6406.6  | 6278.4  | 6240.9  |
| 27.5° | 7077.3  | 7148.3  | 7039.8  | 7071.3  | 7061.5  | 7124.6  | 7093.0  | 7337.6  | 7199.5  | 7138.4  |
| 30°   | 8150.3  | 8276.5  | 8071.4  | 8063.5  | 8053.6  | 8154.2  | 8199.6  | 8361.3  | 8221.3  | 8160.1  |
| 32.5° | 9310.1  | 9442.3  | 9197.7  | 9126.7  | 9089.2  | 9150.3  | 9112.9  | 9243.0  | 9146.4  | 9051.7  |
| 35°   | 10537.0 | 10667.2 | 10434.4 | 10296.3 | 10146.4 | 10018.2 | 9884.1  | 9917.6  | 9826.9  | 9682.9  |
| 37.5° | 11696.8 | 11935.5 | 11688.9 | 11541.0 | 11264.8 | 11014.3 | 10639.6 | 10483.7 | 10398.9 | 10266.8 |
| 40°   | 12878.3 | 13014.4 | 12827.0 | 12700.8 | 12401.0 | 12008.5 | 11408.8 | 11079.4 | 10965.0 | 10836.8 |
| 42.5° | 13748.2 | 13878.4 | 13777.8 | 13691.0 | 13456.3 | 13000.6 | 12225.4 | 11813.2 | 11647.5 | 11503.5 |
| 45°   | 14438.5 | 14535.2 | 14472.1 | 14503.6 | 14403.0 | 13961.2 | 13071.6 | 12600.2 | 12428.6 | 12253.0 |
| 47.5° | 14716.7 | 14819.2 | 14919.8 | 15107.2 | 15278.8 | 14953.4 | 13980.9 | 13452.3 | 13270.8 | 13091.3 |
| 50°   | 14685.1 | 14789.7 | 15081.6 | 15480.0 | 16012.6 | 15904.1 | 14939.6 | 14359.6 | 14192.0 | 13986.9 |
| 52.5° | 14432.6 | 14551.0 | 14925.8 | 15588.5 | 16436.7 | 16616.2 | 15915.9 | 15296.6 | 15138.8 | 14894.2 |
| 55°   | 13769.9 | 13840.9 | 14403.0 | 15341.9 | 16537.3 | 17113.2 | 16872.6 | 16294.7 | 16136.9 | 15795.6 |
| 57.5° | 12541.0 | 12643.6 | 13462.2 | 14677.2 | 16284.8 | 17450.5 | 17712.9 | 17344.0 | 17192.1 | 16701.0 |
| 60°   | 10937.4 | 11101.1 | 12038.0 | 13560.8 | 15641.8 | 17448.6 | 18476.2 | 18375.6 | 18249.4 | 17592.5 |
| 62.5° | 9122.7  | 9312.1  | 10213.5 | 11982.8 | 14517.4 | 16953.5 | 18953.6 | 19239.6 | 19174.5 | 18415.1 |
| 65°   | 7006.2  | 7136.4  | 8033.9  | 9941.3  | 12767.9 | 15890.3 | 19008.8 | 19829.3 | 19841.2 | 19040.3 |
| 67.5° | 4664.9  | 5039.7  | 5818.8  | 7459.9  | 10424.6 | 14152.5 | 18523.6 | 19926.0 | 20040.4 | 19255.3 |
| 70°   | 2276.2  | 2769.4  | 3532.7  | 4848.4  | 7459.9  | 11487.7 | 17255.2 | 19133.0 | 19387.5 | 18628.1 |
| 72.5° | 944.8   | 1104.6  | 1520.8  | 2392.6  | 4282.3  | 7751.8  | 14706.8 | 16983.0 | 17454.5 | 16505.7 |
| 75°   | 637.1   | 690.4   | 869.9   | 1226.9  | 1950.8  | 3822.7  | 10606.0 | 12663.3 | 13422.7 | 12466.1 |
| 77.5° | 491.1   | 524.7   | 633.2   | 858.0   | 1159.8  | 1445.8  | 5676.8  | 7631.5  | 8024.0  | 7428.4  |
| 80°   | 386.6   | 412.2   | 473.4   | 625.3   | 822.5   | 773.2   | 1935.0  | 3457.8  | 3684.6  | 3090.9  |
| 82.5° | 335.3   | 345.2   | 339.3   | 424.1   | 546.4   | 451.7   | 635.1   | 1276.2  | 1408.4  | 1021.7  |
| 85°   | 242.6   | 270.2   | 282.1   | 262.3   | 290.0   | 228.8   | 260.4   | 451.7   | 497.1   | 443.8   |
| 87.5° | 98.6    | 146.0   | 179.5   | 169.6   | 106.5   | 65.1    | 80.9    | 132.2   | 151.9   | 165.7   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4163.9  | 0°    | 4163.9  | 4163.9  | 4163.9 | 4163.9 | 4163.9 | 4163.9 | 4163.9 | 4163.9 | 4163.9 | 4163.9 |
| 4165.9  | 2.5°  | 4167.8  | 4181.7  | 4191.5 | 4203.4 | 4211.2 | 4223.1 | 4246.7 | 4260.6 | 4262.5 | 4272.4 |
| 4197.4  | 5°    | 4205.3  | 4225.1  | 4246.7 | 4278.3 | 4313.8 | 4343.4 | 4388.8 | 4420.3 | 4432.2 | 4442.0 |
| 4274.4  | 7.5°  | 4286.2  | 4313.8  | 4353.3 | 4408.5 | 4459.8 | 4499.2 | 4554.5 | 4591.9 | 4629.4 | 4643.2 |
| 4396.7  | 10°   | 4406.5  | 4446.0  | 4503.2 | 4578.1 | 4633.4 | 4684.6 | 4741.8 | 4773.4 | 4810.9 | 4826.7 |
| 4542.6  | 12.5° | 4556.4  | 4597.8  | 4672.8 | 4777.3 | 4828.6 | 4864.1 | 4883.9 | 4876.0 | 4883.9 | 4897.7 |
| 4718.2  | 15°   | 4728.0  | 4773.4  | 4858.2 | 4970.6 | 5006.2 | 4974.6 | 4931.2 | 4891.7 | 4885.8 | 4889.8 |
| 4931.2  | 17.5° | 4931.2  | 4964.7  | 5063.4 | 5158.0 | 5132.4 | 5002.2 | 4907.5 | 4844.4 | 4812.8 | 4803.0 |
| 5203.4  | 20°   | 5215.2  | 5215.2  | 5296.1 | 5355.3 | 5183.7 | 4962.8 | 4814.8 | 4712.3 | 4647.2 | 4619.5 |
| 5574.2  | 22.5° | 5560.4  | 5528.9  | 5580.1 | 5538.7 | 5173.8 | 4852.3 | 4647.2 | 4469.6 | 4371.0 | 4331.6 |
| 6093.0  | 25°   | 5998.3  | 5960.8  | 5947.0 | 5690.6 | 5102.8 | 4676.7 | 4343.4 | 4128.4 | 4041.6 | 4019.9 |
| 6840.6  | 27.5° | 6659.1  | 6564.4  | 6384.9 | 5773.4 | 4972.6 | 4400.6 | 3988.4 | 3789.1 | 3739.8 | 3741.8 |
| 7801.2  | 30°   | 7538.8  | 7349.5  | 6909.6 | 5787.3 | 4759.6 | 4010.1 | 3625.4 | 3483.4 | 3459.7 | 3469.6 |
| 8607.9  | 32.5° | 8353.5  | 8174.0  | 7446.1 | 5724.1 | 4432.2 | 3627.4 | 3300.0 | 3205.3 | 3169.8 | 3181.6 |
| 9223.3  | 35°   | 8992.5  | 8943.2  | 7943.2 | 5635.4 | 4029.8 | 3268.4 | 3008.0 | 2927.2 | 2858.1 | 2842.3 |
| 9803.2  | 37.5° | 9596.1  | 9576.4  | 8316.0 | 5511.1 | 3631.3 | 3013.9 | 2773.3 | 2666.8 | 2566.2 | 2511.0 |
| 10444.3 | 40°   | 10258.9 | 10239.1 | 8560.6 | 5319.8 | 3278.3 | 2793.0 | 2562.3 | 2422.2 | 2297.9 | 2197.3 |
| 11170.2 | 42.5° | 11004.5 | 10888.1 | 8676.9 | 5045.6 | 2978.4 | 2605.6 | 2390.6 | 2201.3 | 2037.6 | 1944.9 |
| 11990.7 | 45°   | 11819.1 | 11556.8 | 8675.0 | 4696.5 | 2726.0 | 2434.0 | 2207.2 | 1938.9 | 1787.1 | 1700.3 |
| 12833.0 | 47.5° | 12683.0 | 12195.8 | 8568.5 | 4309.9 | 2481.4 | 2244.7 | 1923.2 | 1718.0 | 1617.4 | 1564.2 |
| 13748.2 | 50°   | 13574.6 | 12793.5 | 8387.0 | 3866.1 | 2230.9 | 2029.7 | 1745.6 | 1605.6 | 1528.7 | 1479.4 |
| 14655.5 | 52.5° | 14412.9 | 13335.9 | 8168.0 | 3363.1 | 1976.4 | 1820.6 | 1666.7 | 1558.3 | 1477.4 | 1422.2 |
| 15535.2 | 55°   | 15192.0 | 13803.4 | 7858.4 | 2848.3 | 1769.3 | 1680.6 | 1629.3 | 1538.5 | 1445.8 | 1380.7 |
| 16428.8 | 57.5° | 15884.4 | 14107.2 | 7323.8 | 2365.0 | 1621.4 | 1583.9 | 1589.8 | 1505.0 | 1398.5 | 1343.3 |
| 17308.5 | 60°   | 16460.3 | 14330.1 | 6532.9 | 1917.2 | 1501.1 | 1489.2 | 1528.7 | 1441.9 | 1317.6 | 1254.5 |
| 18052.1 | 62.5° | 16805.5 | 14326.1 | 5562.4 | 1570.1 | 1398.5 | 1402.4 | 1447.8 | 1363.0 | 1236.7 | 1177.6 |
| 18440.7 | 65°   | 16775.9 | 13975.0 | 4497.3 | 1343.3 | 1299.9 | 1303.8 | 1363.0 | 1276.2 | 1169.7 | 1134.2 |
| 18245.4 | 67.5° | 16182.2 | 13119.0 | 3449.9 | 1195.3 | 1191.4 | 1209.1 | 1278.2 | 1217.0 | 1128.3 | 1124.3 |
| 17081.7 | 70°   | 14574.7 | 11341.8 | 2485.3 | 1077.0 | 1078.9 | 1104.6 | 1195.3 | 1179.5 | 1106.6 | 1114.5 |
| 14361.6 | 72.5° | 11686.9 | 8647.3  | 1668.7 | 952.7  | 954.7  | 996.1  | 1116.4 | 1150.0 | 1084.9 | 1189.4 |
| 10189.8 | 75°   | 7783.4  | 5392.8  | 1073.0 | 820.6  | 822.5  | 875.8  | 1047.4 | 1092.8 | 1025.7 | 1185.5 |
| 5302.0  | 77.5° | 3739.8  | 2424.2  | 777.2  | 690.4  | 690.4  | 739.7  | 905.4  | 978.3  | 873.8  | 921.1  |
| 1704.2  | 80°   | 1292.0  | 911.3   | 611.5  | 556.2  | 544.4  | 577.9  | 763.3  | 848.2  | 753.5  | 694.3  |
| 556.2   | 82.5° | 508.9   | 473.4   | 491.1  | 432.0  | 392.5  | 414.2  | 593.7  | 700.2  | 554.3  | 501.0  |
| 313.6   | 85°   | 291.9   | 307.7   | 347.2  | 286.0  | 226.8  | 254.4  | 435.9  | 503.0  | 418.2  | 368.9  |
| 102.6   | 87.5° | 78.9    | 108.5   | 159.8  | 147.9  | 102.6  | 108.5  | 207.1  | 278.1  | 240.6  | 185.4  |
| 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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| 180°   |
|--------|
| 4163.9 |
| 4270.4 |
| 4440.1 |
| 4645.2 |
| 4834.5 |
| 4901.6 |
| 4903.6 |
| 4816.8 |
| 4613.6 |
| 4325.6 |
| 4023.9 |
| 3747.7 |
| 3503.1 |
| 3197.4 |
| 2854.2 |
| 2512.9 |
| 2207.2 |
| 1950.8 |
| 1696.3 |
| 1552.3 |
| 1461.6 |
| 1398.5 |
| 1355.1 |
| 1307.8 |
| 1226.9 |
| 1159.8 |
| 1132.2 |
| 1130.2 |
| 1112.5 |
| 1205.2 |
| 1195.3 |
| 844.2  |
| 650.9  |
| 499.0  |
| 376.7  |
| 191.3  |
| 0.0    |

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