

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: P952909

Luminaire Tested: **GLAN-SB6C-840-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-840-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33199 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - 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



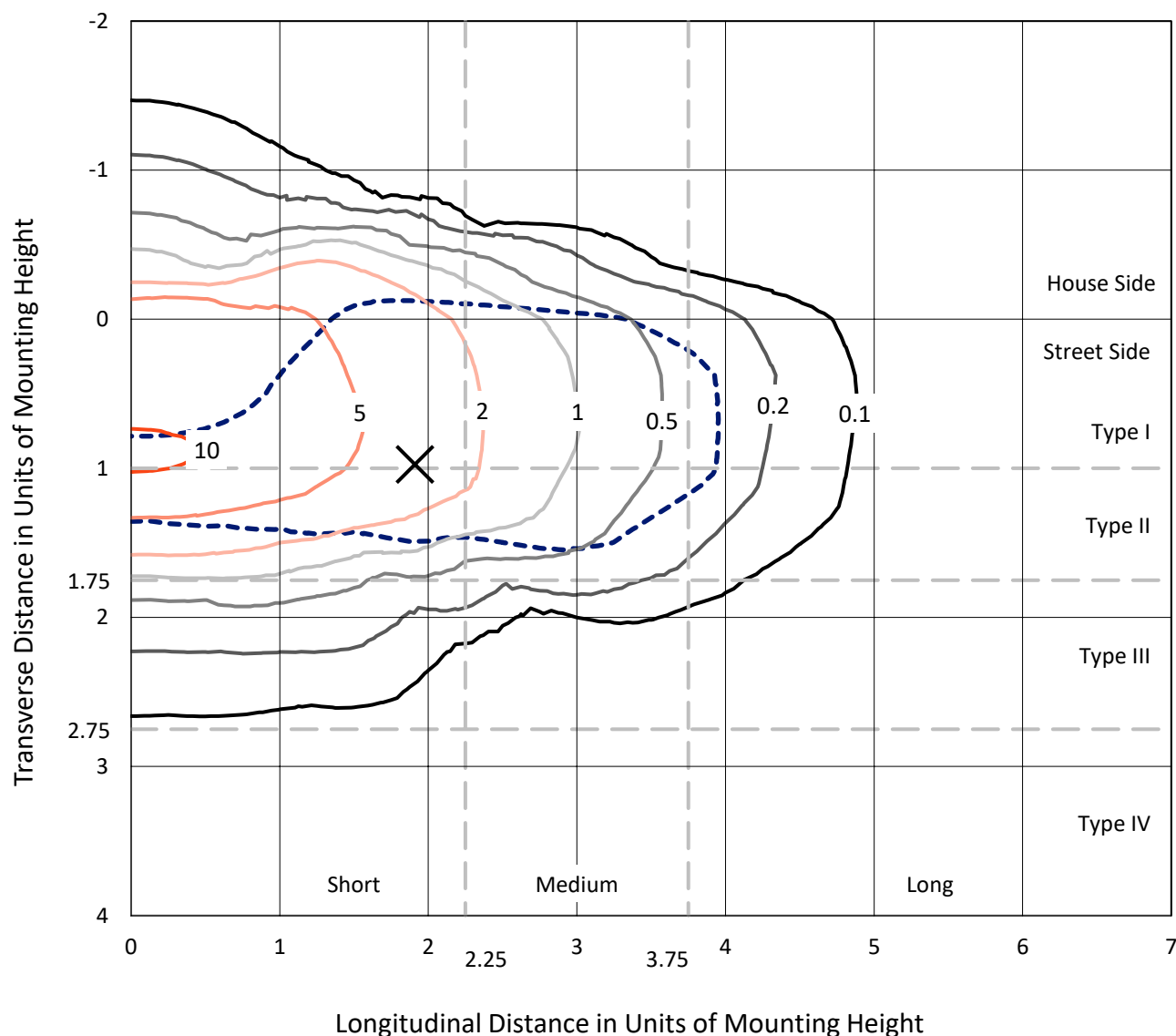
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

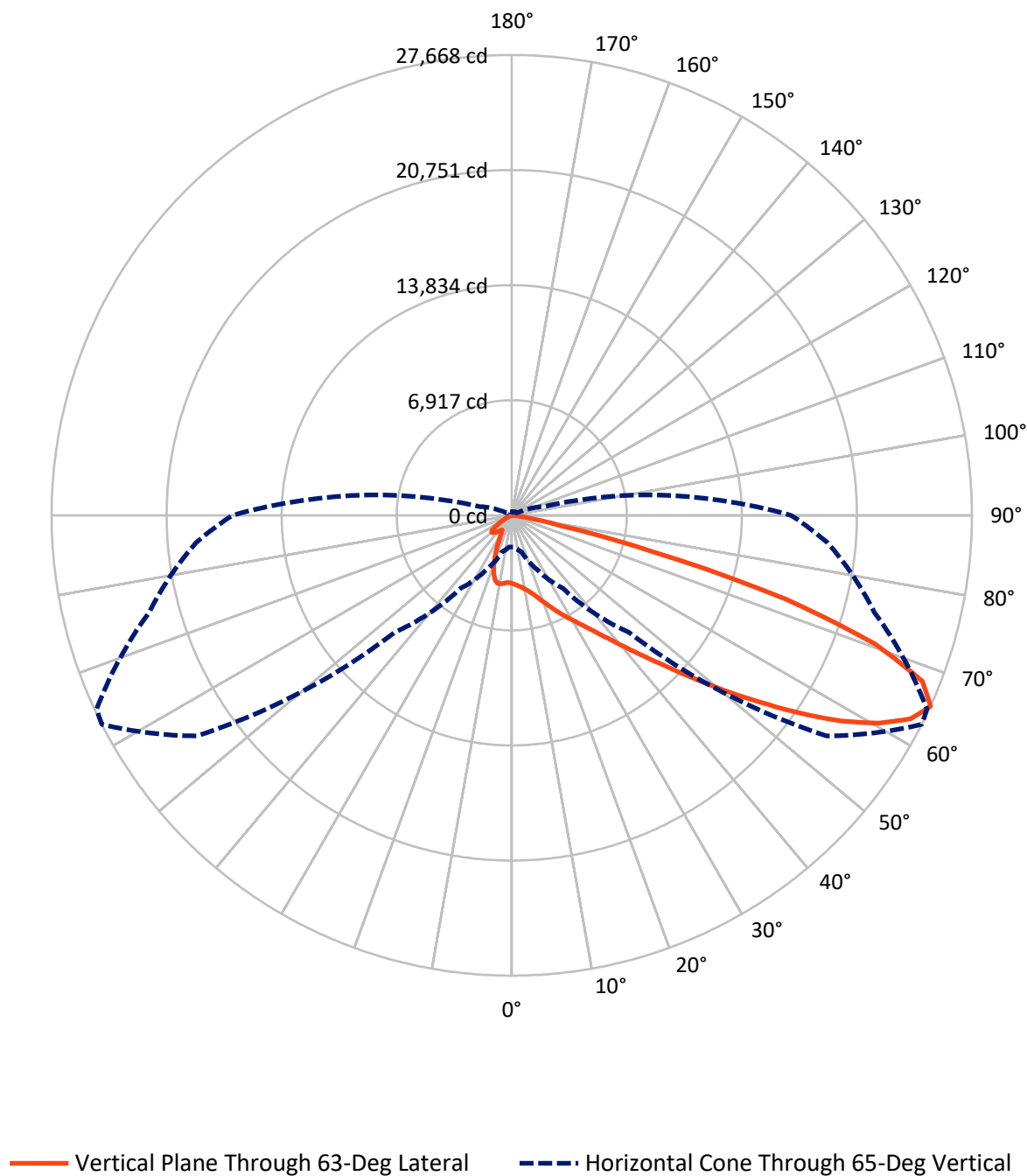


Based on 25 foot mounting height. Maximum calculated value = 11.2 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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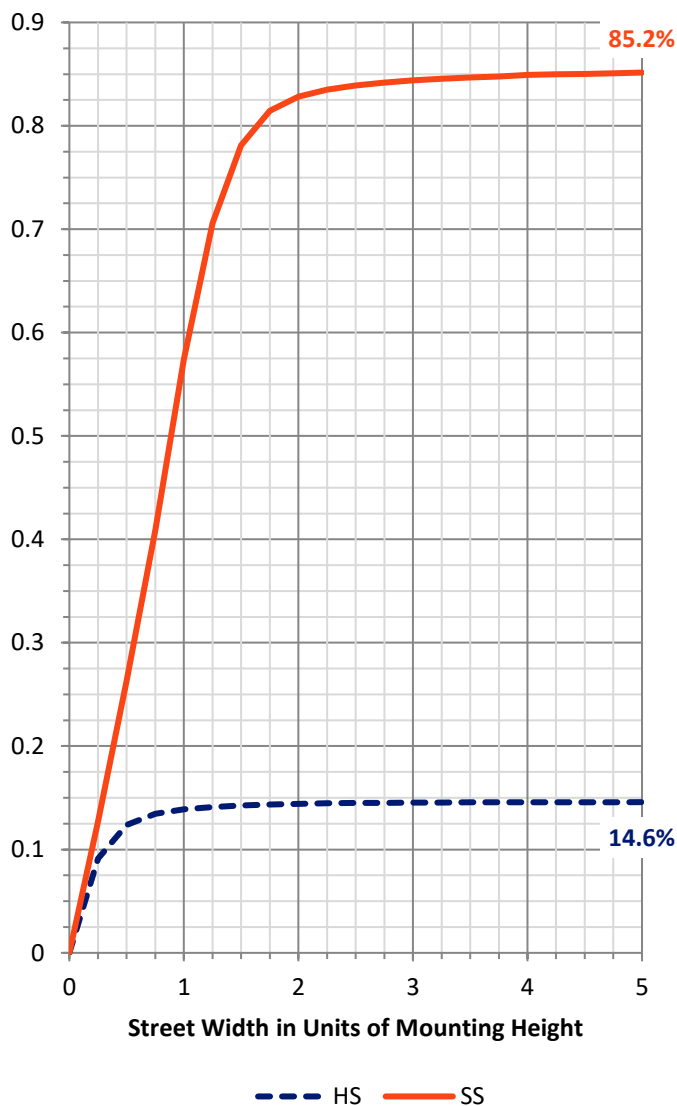
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4880.0   | 0.0    | 4880.0  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 28319.0  | 0.0    | 28319.0 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 33199.0  | 0.0    | 33199.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 386.1   | 1.2       |
| 10°-20°   | 1071.2  | 3.2       |
| 20°-30°   | 1865.1  | 5.6       |
| 30°-40°   | 3361.7  | 10.1      |
| 40°-50°   | 6667.4  | 20.1      |
| 50°-60°   | 9082.1  | 27.4      |
| 60°-70°   | 7249.2  | 21.8      |
| 70°-80°   | 3280.4  | 9.9       |
| 80°-90°   | 235.8   | 0.7       |
| 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°    | 33199.0 | 100.0     |
| 0°-180°   | 33199.0 | 100.0     |

**Coefficient of Utilization**



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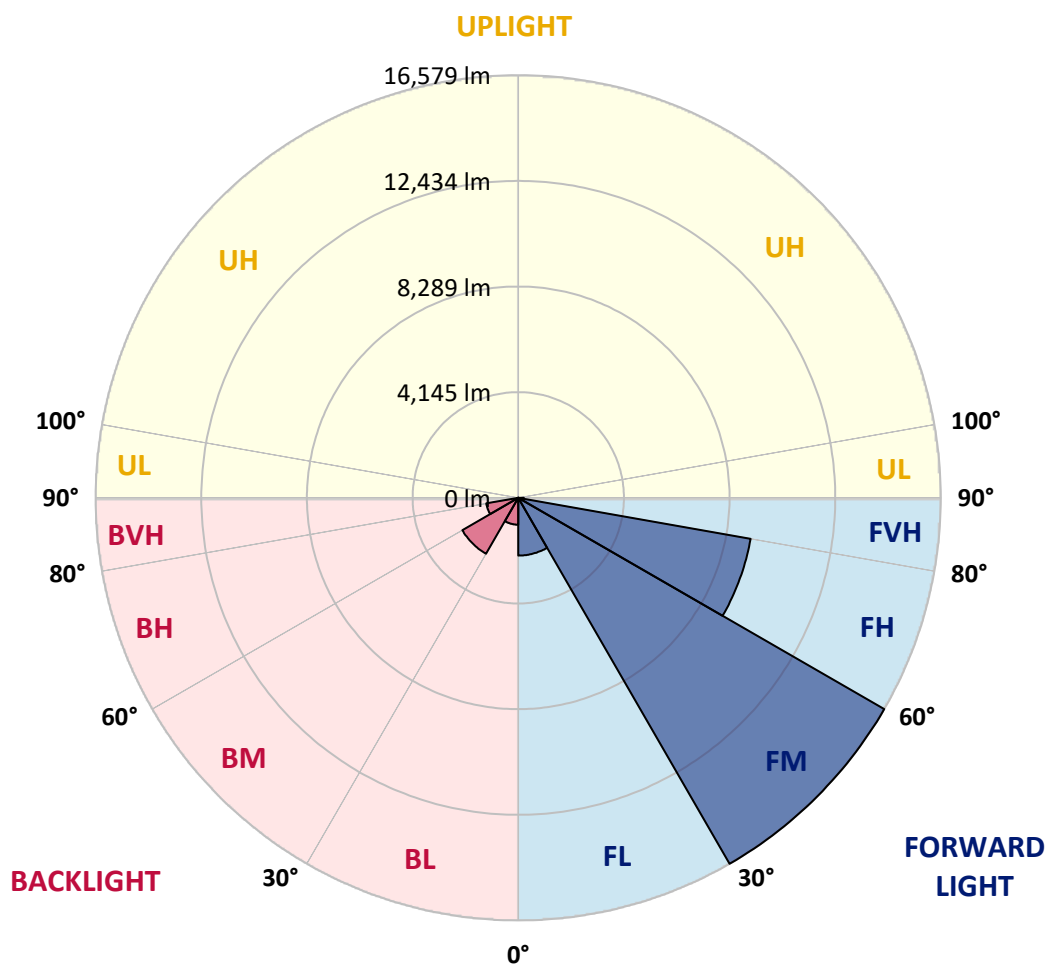
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2266.2  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 16578.7 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 9255.7  | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 218.3   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1056.1  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2532.4  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1274.0  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 17.5    | 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-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  | 4097.4  |
| 2.5°  | 4193.3  | 4181.9  | 4197.9  | 4191.0  | 4186.5  | 4177.3  | 4172.8  | 4168.2  | 4159.1  | 4152.2  |
| 5°    | 4204.7  | 4197.9  | 4213.9  | 4227.6  | 4241.3  | 4255.0  | 4261.8  | 4271.0  | 4261.8  | 4243.6  |
| 7.5°  | 4108.8  | 4104.2  | 4138.5  | 4179.6  | 4241.3  | 4293.8  | 4350.9  | 4382.9  | 4385.2  | 4378.3  |
| 10°   | 4102.0  | 4090.5  | 4124.8  | 4175.0  | 4255.0  | 4348.6  | 4449.1  | 4517.6  | 4526.8  | 4556.5  |
| 12.5° | 4209.3  | 4197.9  | 4245.8  | 4300.7  | 4382.9  | 4481.1  | 4604.4  | 4700.3  | 4714.0  | 4755.2  |
| 15°   | 4389.7  | 4373.7  | 4428.6  | 4499.4  | 4604.4  | 4716.3  | 4846.5  | 4933.3  | 4944.7  | 4995.0  |
| 17.5° | 4599.9  | 4583.9  | 4647.8  | 4723.2  | 4837.4  | 4990.4  | 5141.1  | 5237.1  | 5250.8  | 5282.7  |
| 20°   | 4869.4  | 4848.8  | 4899.0  | 4967.6  | 5088.6  | 5271.3  | 5451.8  | 5588.8  | 5586.5  | 5586.5  |
| 22.5° | 5182.3  | 5150.3  | 5193.7  | 5248.5  | 5362.7  | 5584.2  | 5824.0  | 5986.2  | 5986.2  | 5922.2  |
| 25°   | 5518.0  | 5486.0  | 5534.0  | 5584.2  | 5684.7  | 5936.0  | 6216.9  | 6417.9  | 6427.0  | 6317.4  |
| 27.5° | 5938.2  | 5897.1  | 5933.7  | 5993.1  | 6052.4  | 6308.2  | 6641.7  | 6874.7  | 6879.2  | 6710.2  |
| 30°   | 6746.8  | 6630.3  | 6516.1  | 6452.1  | 6479.5  | 6733.0  | 7089.3  | 7347.4  | 7370.3  | 7137.3  |
| 32.5° | 8226.7  | 8203.9  | 7801.9  | 7276.6  | 7002.6  | 7189.8  | 7589.5  | 7900.1  | 7913.8  | 7614.6  |
| 35°   | 10526.7 | 10499.3 | 9852.9  | 8852.5  | 7959.5  | 7801.9  | 8197.1  | 8564.8  | 8555.6  | 8217.6  |
| 37.5° | 13272.0 | 13246.8 | 12394.9 | 11056.5 | 9610.8  | 8726.9  | 8980.4  | 9366.4  | 9423.5  | 8980.4  |
| 40°   | 15617.6 | 15523.9 | 14984.9 | 13694.5 | 11803.4 | 10261.7 | 10095.0 | 10350.8 | 10410.2 | 9884.9  |
| 42.5° | 17394.5 | 17314.5 | 17040.5 | 16234.2 | 14457.3 | 12532.0 | 11408.3 | 11506.5 | 11572.7 | 10942.3 |
| 45°   | 18314.9 | 18296.6 | 18406.3 | 18330.9 | 17161.5 | 15318.4 | 13285.7 | 12876.8 | 12902.0 | 12114.0 |
| 47.5° | 18445.1 | 18435.9 | 18936.1 | 19644.1 | 19486.6 | 18461.1 | 15695.2 | 14585.2 | 14496.2 | 13436.4 |
| 50°   | 17677.7 | 17659.4 | 18618.7 | 19945.6 | 21039.6 | 21101.3 | 18431.4 | 16510.6 | 16314.2 | 14804.5 |
| 52.5° | 15227.0 | 15222.4 | 16798.4 | 19006.9 | 21585.5 | 23412.6 | 21135.6 | 18625.5 | 18296.6 | 16252.5 |
| 55°   | 11716.6 | 11801.1 | 13607.7 | 16218.2 | 20589.7 | 24524.9 | 23563.4 | 20973.4 | 20468.6 | 17709.7 |
| 57.5° | 8299.8  | 8423.2  | 10209.2 | 12534.2 | 17501.8 | 23867.1 | 25205.5 | 23325.9 | 22782.3 | 19162.2 |
| 60°   | 4458.2  | 4567.9  | 6356.2  | 9131.2  | 13020.7 | 21414.2 | 26071.1 | 25367.7 | 24853.8 | 20541.7 |
| 62.5° | 2656.2  | 2692.8  | 3432.8  | 5894.8  | 8806.9  | 16359.8 | 25703.4 | 26923.1 | 26500.5 | 21699.7 |
| 65°   | 1907.1  | 1913.9  | 2286.2  | 3599.5  | 5346.7  | 9939.7  | 23124.9 | 27667.6 | 27537.4 | 22572.2 |
| 67.5° | 1605.6  | 1601.0  | 1756.3  | 2391.3  | 3642.9  | 4979.0  | 17723.4 | 26614.7 | 27167.4 | 23124.9 |
| 70°   | 1377.2  | 1384.1  | 1566.8  | 1751.8  | 2738.4  | 2818.4  | 8811.4  | 23172.8 | 24351.3 | 23271.0 |
| 72.5° | 1025.5  | 1048.3  | 1217.3  | 1596.5  | 2067.0  | 1939.1  | 3042.2  | 17182.1 | 19313.0 | 21925.8 |
| 75°   | 724.0   | 735.4   | 856.5   | 1343.0  | 1541.7  | 1411.5  | 1553.1  | 8882.2  | 11613.8 | 16809.8 |
| 77.5° | 557.3   | 577.8   | 648.6   | 938.7   | 1518.8  | 991.2   | 950.1   | 3074.2  | 4723.2  | 10154.4 |
| 80°   | 301.5   | 338.0   | 468.2   | 678.3   | 1066.6  | 701.2   | 470.5   | 1224.2  | 1601.0  | 4748.3  |
| 82.5° | 155.3   | 173.6   | 326.6   | 488.8   | 607.5   | 612.1   | 233.0   | 509.3   | 660.1   | 1466.3  |
| 85°   | 61.7    | 75.4    | 219.3   | 269.5   | 312.9   | 301.5   | 105.1   | 205.6   | 237.5   | 406.5   |
| 87.5° | 13.7    | 22.8    | 79.9    | 61.7    | 59.4    | 64.0    | 25.1    | 48.0    | 45.7    | 48.0    |
| 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):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4097.4  | 0°    | 4097.4  | 4097.4  | 4097.4 | 4097.4 | 4097.4 | 4097.4 | 4097.4 | 4097.4 | 4097.4 | 4097.4 |
| 4124.8  | 2.5°  | 4122.5  | 4113.4  | 4088.2 | 4060.8 | 4028.9 | 4010.6 | 3999.2 | 3996.9 | 3980.9 | 3969.5 |
| 4216.1  | 5°    | 4191.0  | 4181.9  | 4133.9 | 4076.8 | 4015.2 | 3967.2 | 3921.5 | 3880.4 | 3821.0 | 3809.6 |
| 4348.6  | 7.5°  | 4328.1  | 4302.9  | 4225.3 | 4147.6 | 4031.1 | 3891.8 | 3722.8 | 3528.7 | 3355.1 | 3302.6 |
| 4524.5  | 10°   | 4497.1  | 4462.8  | 4364.6 | 4227.6 | 3969.5 | 3590.3 | 3181.5 | 2802.4 | 2500.9 | 2416.4 |
| 4732.3  | 12.5° | 4688.9  | 4659.2  | 4529.0 | 4275.5 | 3711.4 | 3023.9 | 2398.1 | 1927.6 | 1635.3 | 1562.2 |
| 4953.9  | 15°   | 4917.3  | 4873.9  | 4693.5 | 4202.4 | 3250.0 | 2297.6 | 1646.7 | 1368.1 | 1263.0 | 1249.3 |
| 5207.4  | 17.5° | 5159.4  | 5088.6  | 4839.7 | 3939.8 | 2628.8 | 1633.0 | 1272.2 | 1192.2 | 1146.5 | 1132.8 |
| 5463.2  | 20°   | 5381.0  | 5289.6  | 4926.5 | 3542.4 | 1964.2 | 1272.2 | 1139.7 | 1087.2 | 1046.0 | 1030.1 |
| 5719.0  | 22.5° | 5602.5  | 5472.3  | 4926.5 | 3001.1 | 1473.1 | 1128.3 | 1046.0 | 998.1  | 950.1  | 929.6  |
| 5993.1  | 25°   | 5833.2  | 5659.6  | 4839.7 | 2398.1 | 1185.4 | 1034.6 | 957.0  | 904.4  | 863.3  | 838.2  |
| 6253.4  | 27.5° | 6057.0  | 5817.2  | 4641.0 | 1827.2 | 1055.2 | 952.4  | 874.7  | 824.5  | 785.7  | 767.4  |
| 6536.6  | 30°   | 6269.4  | 5972.5  | 4362.3 | 1386.4 | 970.7  | 872.5  | 799.4  | 756.0  | 717.2  | 698.9  |
| 6904.3  | 32.5° | 6557.2  | 6168.9  | 4065.4 | 1137.4 | 897.6  | 797.1  | 730.9  | 689.7  | 655.5  | 641.8  |
| 7381.7  | 35°   | 6956.9  | 6459.0  | 3809.6 | 1116.8 | 835.9  | 735.4  | 669.2  | 630.4  | 596.1  | 584.7  |
| 7998.3  | 37.5° | 7523.3  | 6927.2  | 3674.9 | 1253.9 | 785.7  | 680.6  | 618.9  | 577.8  | 545.9  | 536.7  |
| 8781.7  | 40°   | 8222.2  | 7562.1  | 3747.9 | 1390.9 | 751.4  | 632.7  | 573.3  | 532.2  | 504.8  | 493.3  |
| 9681.6  | 42.5° | 9051.2  | 8345.5  | 4152.2 | 1496.0 | 728.6  | 591.5  | 529.9  | 484.2  | 465.9  | 461.4  |
| 10702.5 | 45°   | 10003.6 | 9206.6  | 4771.1 | 1607.9 | 692.0  | 552.7  | 486.5  | 452.2  | 438.5  | 436.2  |
| 11812.5 | 47.5° | 11086.2 | 10152.1 | 5488.3 | 1747.2 | 655.5  | 516.2  | 452.2  | 429.4  | 418.0  | 413.4  |
| 12970.5 | 50°   | 12159.7 | 11104.5 | 6226.0 | 1824.9 | 625.8  | 481.9  | 424.8  | 406.5  | 397.4  | 395.1  |
| 14194.7 | 52.5° | 13283.4 | 12084.3 | 6822.1 | 1751.8 | 600.7  | 454.5  | 402.0  | 388.3  | 379.1  | 376.8  |
| 15322.9 | 55°   | 14354.5 | 12876.8 | 6924.9 | 1486.8 | 550.4  | 427.1  | 376.8  | 370.0  | 358.6  | 358.6  |
| 16467.2 | 57.5° | 15277.3 | 13274.2 | 6198.6 | 1091.7 | 500.2  | 386.0  | 351.7  | 344.9  | 335.7  | 333.5  |
| 17499.5 | 60°   | 16124.6 | 13160.0 | 4784.8 | 735.4  | 445.4  | 344.9  | 319.8  | 315.2  | 306.0  | 294.6  |
| 18397.1 | 62.5° | 16601.9 | 12657.6 | 3272.9 | 479.6  | 390.6  | 301.5  | 283.2  | 280.9  | 260.4  | 237.5  |
| 19061.7 | 65°   | 16782.4 | 11625.2 | 2041.8 | 349.4  | 326.6  | 258.1  | 244.4  | 239.8  | 210.1  | 185.0  |
| 19438.6 | 67.5° | 16624.8 | 9926.0  | 1030.1 | 276.4  | 258.1  | 214.7  | 201.0  | 201.0  | 180.4  | 157.6  |
| 19415.8 | 70°   | 15994.4 | 7441.1  | 433.9  | 221.5  | 198.7  | 164.4  | 164.4  | 173.6  | 153.0  | 127.9  |
| 18408.5 | 72.5° | 14626.3 | 5006.4  | 230.7  | 169.0  | 148.5  | 116.5  | 134.8  | 141.6  | 121.0  | 95.9   |
| 15067.1 | 75°   | 11627.5 | 3053.6  | 159.9  | 125.6  | 93.6   | 82.2   | 102.8  | 107.3  | 82.2   | 64.0   |
| 10330.2 | 77.5° | 7952.7  | 1754.1  | 107.3  | 79.9   | 59.4   | 48.0   | 70.8   | 66.2   | 43.4   | 29.7   |
| 3983.2  | 80°   | 3492.1  | 730.9   | 61.7   | 36.5   | 22.8   | 18.3   | 25.1   | 18.3   | 13.7   | 9.1    |
| 545.9   | 82.5° | 408.8   | 171.3   | 22.8   | 13.7   | 9.1    | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    |
| 166.7   | 85°   | 84.5    | 20.6    | 11.4   | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 29.7    | 87.5° | 16.0    | 4.6     | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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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| 180°   |
|--------|
| 4097.4 |
| 3980.9 |
| 3805.0 |
| 3277.5 |
| 2384.4 |
| 1541.7 |
| 1235.6 |
| 1126.0 |
| 1020.9 |
| 918.1  |
| 829.1  |
| 767.4  |
| 701.2  |
| 641.8  |
| 584.7  |
| 534.4  |
| 491.0  |
| 461.4  |
| 433.9  |
| 413.4  |
| 395.1  |
| 376.8  |
| 356.3  |
| 331.2  |
| 292.3  |
| 233.0  |
| 182.7  |
| 155.3  |
| 125.6  |
| 95.9   |
| 61.7   |
| 32.0   |
| 9.1    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |