

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: P951347

Luminaire Tested: **GLAN-SB5C-740-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-740-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32231 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G5

Input Watts (W): 249.5  
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



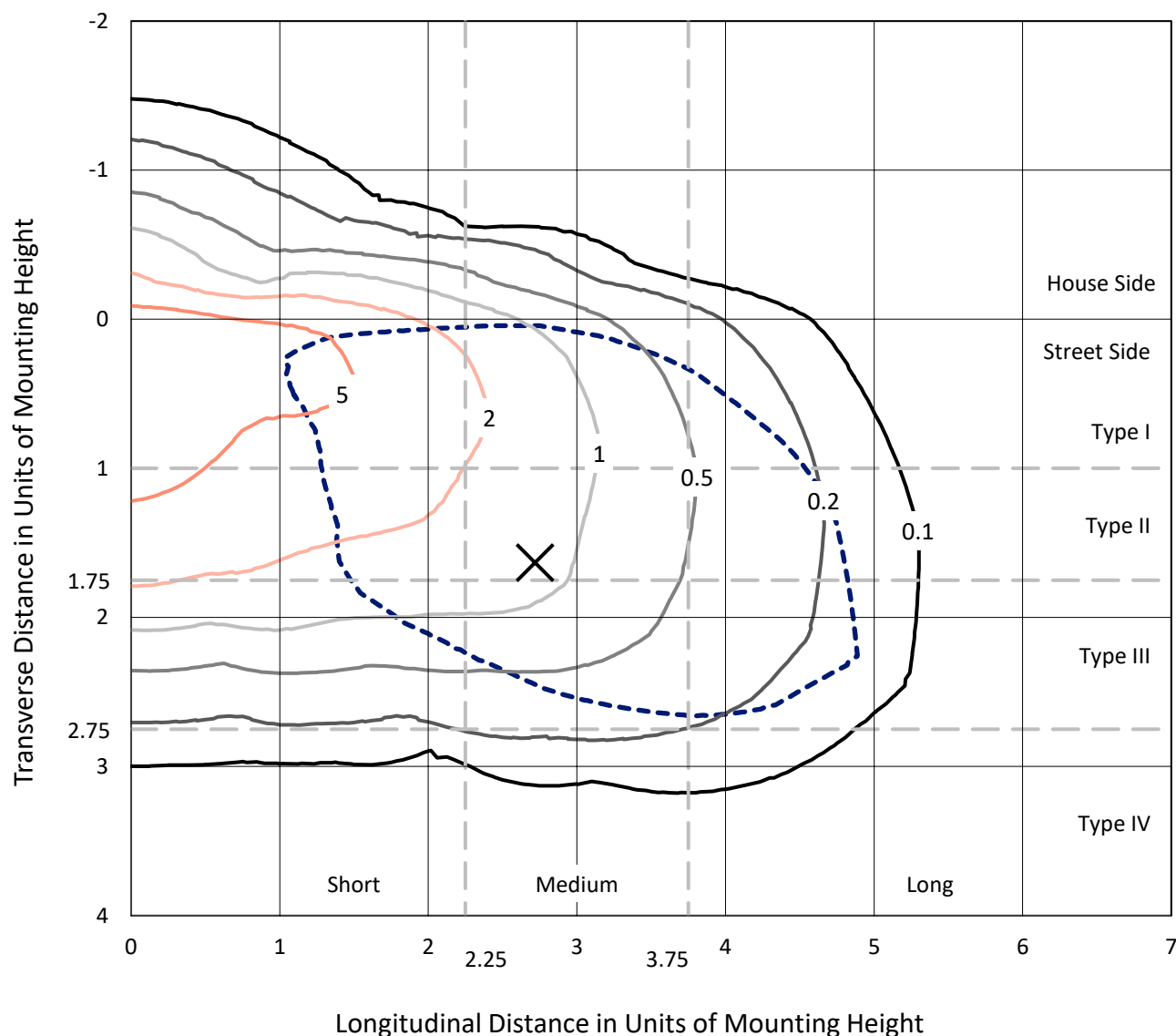
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

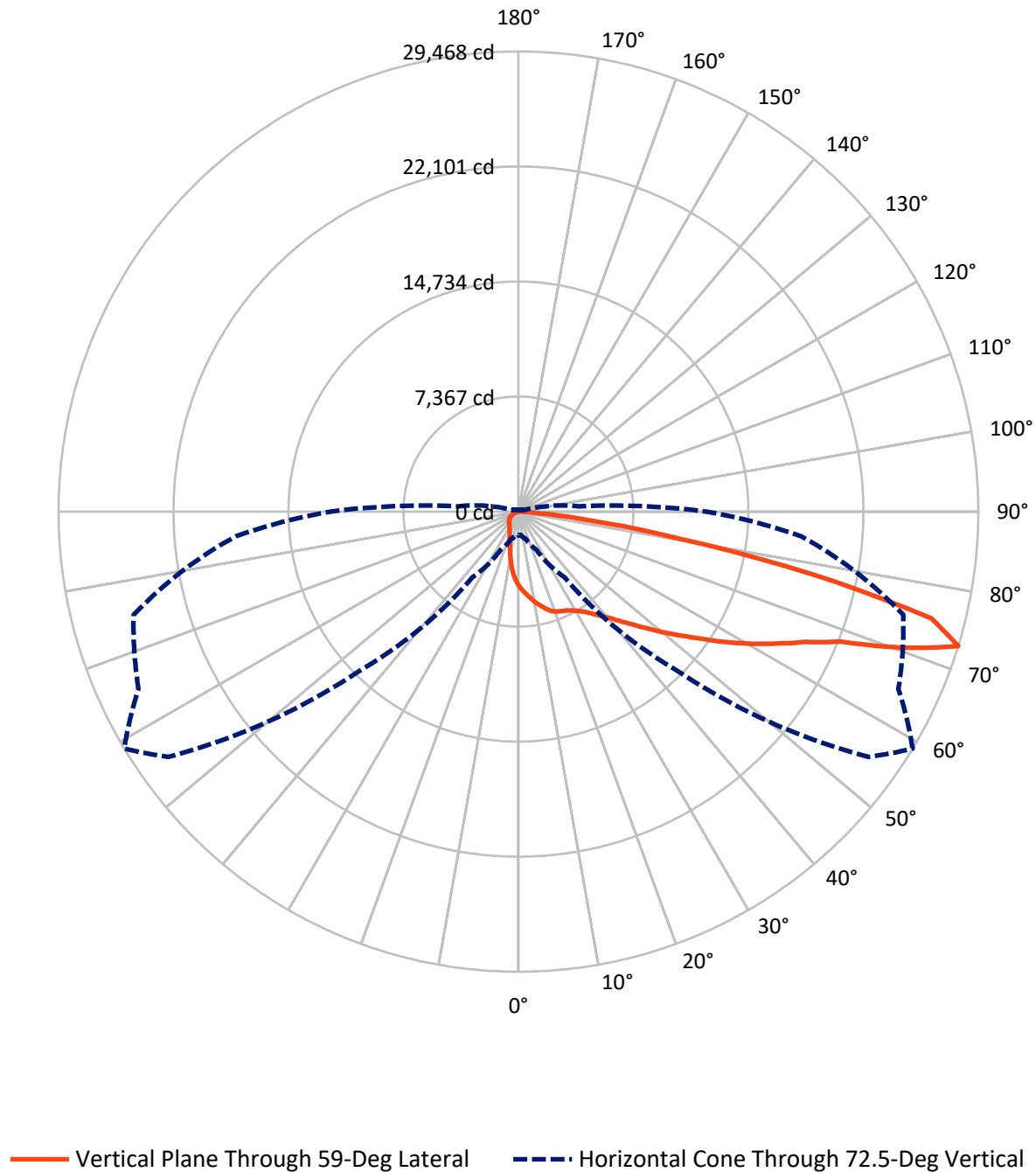
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - 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    | 3404.3   | 0.0    | 3404.3  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 28826.7  | 0.0    | 28826.7 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 32231.0  | 0.0    | 32231.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.2   | 1.3       |
| 10°-20°   | 1145.4  | 3.6       |
| 20°-30°   | 1815.2  | 5.6       |
| 30°-40°   | 2913.1  | 9.0       |
| 40°-50°   | 4652.8  | 14.4      |
| 50°-60°   | 6736.7  | 20.9      |
| 60°-70°   | 7994.8  | 24.8      |
| 70°-80°   | 5935.0  | 18.4      |
| 80°-90°   | 606.8   | 1.9       |
| 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°    | 32231.0 | 100.0     |
| 0°-180°   | 32231.0 | 100.0     |

**Coefficient of Utilization**



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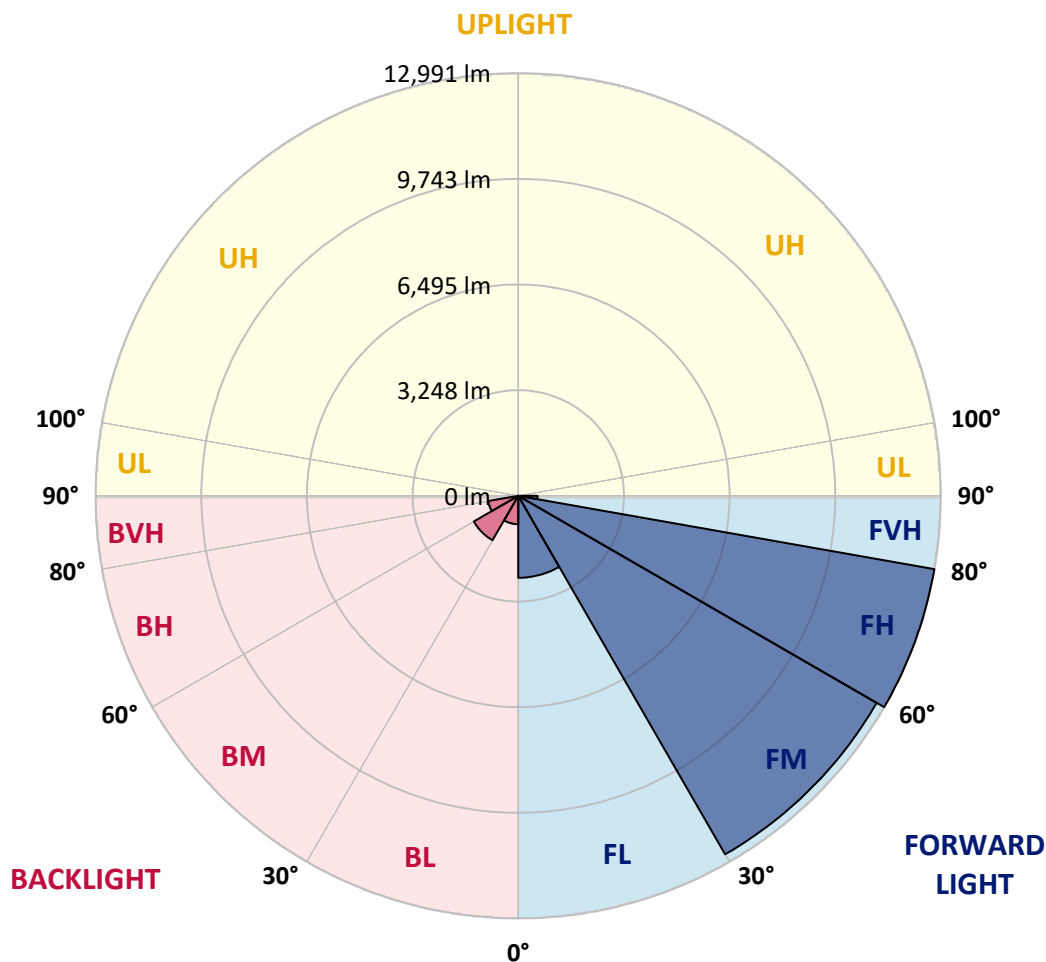
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2519.8  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 12724.3 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 12990.9 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 591.7   | 1.8       |                         |      | G4/750  |
| BL   | (0°-30°)    | 872.1   | 2.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1578.3  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 938.8   | 2.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 15.1    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  | 4766.2  |
| 2.5°  | 5288.1  | 5258.6  | 5262.8  | 5212.3  | 5176.5  | 5138.7  | 5065.0  | 5054.5  | 5001.9  | 4909.3  |
| 5°    | 5748.9  | 5730.0  | 5713.1  | 5656.3  | 5582.7  | 5490.1  | 5365.9  | 5321.7  | 5224.9  | 5065.0  |
| 7.5°  | 6085.6  | 6062.4  | 6070.9  | 6014.0  | 5955.1  | 5852.0  | 5681.6  | 5599.5  | 5471.1  | 5227.0  |
| 10°   | 6150.8  | 6138.2  | 6192.9  | 6213.9  | 6213.9  | 6148.7  | 5982.5  | 5900.4  | 5713.1  | 5401.7  |
| 12.5° | 5784.7  | 5786.8  | 5923.6  | 6087.7  | 6302.3  | 6363.3  | 6251.8  | 6163.4  | 5978.3  | 5586.9  |
| 15°   | 5357.5  | 5359.6  | 5492.2  | 5702.6  | 6054.0  | 6405.4  | 6493.8  | 6437.0  | 6245.5  | 5786.8  |
| 17.5° | 5100.8  | 5090.3  | 5178.6  | 5351.2  | 5719.4  | 6213.9  | 6641.1  | 6679.0  | 6523.3  | 6007.7  |
| 20°   | 5065.0  | 5046.1  | 5092.4  | 5178.6  | 5441.7  | 5974.1  | 6657.9  | 6836.8  | 6809.5  | 6258.1  |
| 22.5° | 5283.9  | 5254.4  | 5229.1  | 5233.3  | 5344.9  | 5774.1  | 6615.9  | 6925.2  | 7104.1  | 6559.0  |
| 25°   | 5717.3  | 5671.0  | 5589.0  | 5483.8  | 5460.6  | 5732.1  | 6586.4  | 7022.0  | 7377.6  | 6944.1  |
| 27.5° | 6247.6  | 6182.4  | 6024.6  | 5866.7  | 5732.1  | 5849.9  | 6647.4  | 7175.6  | 7686.9  | 7392.3  |
| 30°   | 6830.5  | 6750.5  | 6592.7  | 6293.9  | 6079.3  | 6112.9  | 6792.6  | 7377.6  | 8082.5  | 7899.5  |
| 32.5° | 7686.9  | 7501.8  | 7226.1  | 6769.5  | 6485.4  | 6397.0  | 7011.5  | 7634.3  | 8572.8  | 8574.9  |
| 35°   | 8421.3  | 8318.2  | 8040.5  | 7472.3  | 6889.4  | 6773.7  | 7299.8  | 7996.3  | 9252.5  | 9469.3  |
| 37.5° | 8903.2  | 8762.2  | 8518.1  | 8091.0  | 7516.5  | 7160.9  | 7684.8  | 8440.3  | 9972.2  | 10487.7 |
| 40°   | 9441.9  | 9303.0  | 8979.0  | 8577.1  | 8244.6  | 7825.8  | 8170.9  | 8951.6  | 10761.3 | 11533.6 |
| 42.5° | 10092.1 | 9911.2  | 9528.2  | 9094.7  | 8747.5  | 8701.2  | 8806.4  | 9589.2  | 11571.4 | 12669.9 |
| 45°   | 10856.0 | 10685.5 | 10245.7 | 9698.6  | 9393.5  | 9311.4  | 9606.0  | 10332.0 | 12474.2 | 13915.6 |
| 47.5° | 11571.4 | 11373.6 | 10900.2 | 10401.5 | 10062.7 | 9803.8  | 10456.2 | 11209.5 | 13496.9 | 15218.2 |
| 50°   | 12179.6 | 11977.6 | 11544.1 | 11011.7 | 10782.3 | 10443.5 | 11291.6 | 12188.0 | 14511.1 | 16541.8 |
| 52.5° | 12596.2 | 12417.4 | 11908.1 | 11546.2 | 11390.5 | 11220.0 | 12270.1 | 13225.4 | 15521.2 | 17753.8 |
| 55°   | 12501.5 | 12341.6 | 11893.4 | 11868.1 | 11857.6 | 12036.5 | 13440.0 | 14401.7 | 16550.2 | 18900.7 |
| 57.5° | 12200.6 | 12019.7 | 11459.9 | 11845.0 | 12217.5 | 12764.6 | 14706.8 | 15792.6 | 17678.1 | 19982.3 |
| 60°   | 11314.7 | 11251.6 | 10910.7 | 11800.8 | 12369.0 | 13477.9 | 16154.6 | 17189.9 | 18898.6 | 20933.4 |
| 62.5° | 9439.8  | 9494.5  | 9492.4  | 11893.4 | 12642.5 | 14290.2 | 17469.7 | 18604.0 | 20091.7 | 21848.8 |
| 65°   | 7068.3  | 7257.7  | 7499.7  | 11060.1 | 13008.7 | 15740.0 | 19041.6 | 20138.0 | 21303.7 | 22913.5 |
| 67.5° | 4749.4  | 4900.9  | 5065.0  | 9073.7  | 11918.6 | 17263.5 | 21653.1 | 22240.1 | 22755.7 | 24094.0 |
| 70°   | 2718.7  | 2767.1  | 2996.5  | 5666.8  | 9187.3  | 16842.7 | 25905.8 | 26118.3 | 24921.0 | 25548.1 |
| 72.5° | 1523.5  | 1506.7  | 1809.7  | 2689.3  | 5134.4  | 14422.7 | 27395.6 | 29468.4 | 26859.0 | 25524.9 |
| 75°   | 1018.5  | 1020.6  | 1245.7  | 1696.1  | 2001.2  | 10096.3 | 23607.9 | 27324.1 | 25697.5 | 22633.6 |
| 77.5° | 694.4   | 717.6   | 915.4   | 1311.0  | 925.9   | 4926.1  | 15618.0 | 19140.5 | 20805.0 | 17478.2 |
| 80°   | 300.9   | 303.0   | 603.9   | 940.6   | 625.0   | 1567.7  | 8097.3  | 10254.2 | 13048.6 | 9814.4  |
| 82.5° | 155.7   | 176.8   | 385.1   | 608.1   | 393.5   | 549.2   | 3825.6  | 4480.0  | 5475.3  | 2880.8  |
| 85°   | 54.7    | 65.2    | 237.8   | 298.8   | 197.8   | 195.7   | 1332.0  | 1357.3  | 1159.5  | 433.5   |
| 87.5° | 0.0     | 10.5    | 92.6    | 73.6    | 25.3    | 23.1    | 157.8   | 132.6   | 105.2   | 61.0    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4766.2  | 0°    | 4766.2  | 4766.2 | 4766.2 | 4766.2 | 4766.2 | 4766.2 | 4766.2 | 4766.2 | 4766.2 | 4766.2 |
| 4814.6  | 2.5°  | 4770.4  | 4713.6 | 4621.0 | 4507.4 | 4374.8 | 4303.3 | 4200.1 | 4137.0 | 4080.2 | 4082.3 |
| 4879.8  | 5°    | 4776.7  | 4682.0 | 4446.3 | 4195.9 | 3918.2 | 3714.1 | 3486.8 | 3326.9 | 3204.8 | 3175.4 |
| 4947.2  | 7.5°  | 4795.7  | 4635.7 | 4250.6 | 3834.0 | 3371.1 | 3028.1 | 2714.5 | 2516.7 | 2405.2 | 2375.7 |
| 5016.6  | 10°   | 4820.9  | 4585.2 | 4029.7 | 3392.1 | 2817.6 | 2405.2 | 2144.3 | 2018.0 | 1967.5 | 1929.6 |
| 5105.0  | 12.5° | 4842.0  | 4532.6 | 3751.9 | 2935.5 | 2325.2 | 2003.3 | 1805.5 | 1700.3 | 1656.1 | 1628.7 |
| 5208.1  | 15°   | 4877.7  | 4463.2 | 3451.0 | 2510.4 | 1992.8 | 1729.7 | 1542.4 | 1464.6 | 1452.0 | 1456.2 |
| 5321.7  | 17.5° | 4913.5  | 4395.8 | 3114.3 | 2177.9 | 1748.7 | 1489.8 | 1376.2 | 1363.6 | 1380.4 | 1397.2 |
| 5452.2  | 20°   | 4953.5  | 4299.0 | 2773.4 | 1927.5 | 1523.5 | 1323.6 | 1294.1 | 1302.6 | 1311.0 | 1340.4 |
| 5631.1  | 22.5° | 5012.4  | 4177.0 | 2474.6 | 1715.0 | 1336.2 | 1243.6 | 1228.9 | 1235.2 | 1241.5 | 1271.0 |
| 5866.7  | 25°   | 5096.6  | 4046.5 | 2232.6 | 1519.3 | 1218.4 | 1178.4 | 1163.7 | 1163.7 | 1172.1 | 1199.4 |
| 6140.3  | 27.5° | 5184.9  | 3861.4 | 2036.9 | 1338.3 | 1148.9 | 1106.9 | 1081.6 | 1081.6 | 1092.1 | 1123.7 |
| 6483.3  | 30°   | 5283.9  | 3693.0 | 1883.3 | 1203.6 | 1090.0 | 1035.3 | 1001.6 | 993.2  | 1005.8 | 1045.8 |
| 6979.9  | 32.5° | 5462.7  | 3583.6 | 1773.9 | 1140.5 | 1037.4 | 970.1  | 923.8  | 900.6  | 913.3  | 959.6  |
| 7674.3  | 35°   | 5734.2  | 3558.3 | 1698.2 | 1109.0 | 986.9  | 911.2  | 845.9  | 810.1  | 820.7  | 869.1  |
| 8530.8  | 37.5° | 6051.9  | 3610.9 | 1624.5 | 1066.9 | 938.5  | 854.3  | 768.1  | 721.8  | 738.6  | 782.8  |
| 9509.2  | 40°   | 6508.5  | 3829.8 | 1567.7 | 1035.3 | 890.1  | 787.0  | 690.2  | 643.9  | 671.3  | 709.1  |
| 10527.7 | 42.5° | 7059.9  | 4219.1 | 1553.0 | 1005.8 | 831.2  | 715.5  | 618.7  | 585.0  | 606.0  | 641.8  |
| 11556.7 | 45°   | 7743.8  | 4715.7 | 1620.3 | 968.0  | 766.0  | 646.0  | 561.8  | 542.9  | 549.2  | 585.0  |
| 12528.9 | 47.5° | 8478.1  | 5224.9 | 1805.5 | 934.3  | 709.1  | 589.2  | 517.7  | 500.8  | 496.6  | 530.3  |
| 13416.9 | 50°   | 9221.0  | 5677.4 | 2024.3 | 909.0  | 669.2  | 542.9  | 484.0  | 462.9  | 452.4  | 473.5  |
| 14294.4 | 52.5° | 9955.4  | 6037.2 | 2167.4 | 867.0  | 629.2  | 496.6  | 454.5  | 423.0  | 404.0  | 414.5  |
| 15167.7 | 55°   | 10700.3 | 6352.8 | 2175.8 | 803.8  | 591.3  | 467.2  | 425.1  | 389.3  | 366.1  | 366.1  |
| 16009.4 | 57.5° | 11396.8 | 6630.6 | 2051.7 | 719.7  | 538.7  | 439.8  | 385.1  | 355.6  | 330.4  | 322.0  |
| 16756.4 | 60°   | 12013.3 | 6836.8 | 1845.5 | 625.0  | 492.4  | 404.0  | 345.1  | 322.0  | 290.4  | 273.6  |
| 17421.3 | 62.5° | 12562.6 | 6937.8 | 1563.5 | 528.2  | 435.6  | 361.9  | 307.2  | 282.0  | 239.9  | 218.8  |
| 18096.8 | 65°   | 13027.6 | 6834.7 | 1268.9 | 437.7  | 387.2  | 315.6  | 263.0  | 237.8  | 191.5  | 166.2  |
| 18856.5 | 67.5° | 13488.4 | 6363.3 | 959.6  | 368.2  | 336.7  | 265.1  | 216.7  | 193.6  | 159.9  | 138.9  |
| 19409.9 | 70°   | 13547.4 | 5372.2 | 671.3  | 309.3  | 279.9  | 204.1  | 174.7  | 159.9  | 130.5  | 111.5  |
| 18174.7 | 72.5° | 12059.6 | 3865.6 | 408.2  | 252.5  | 218.8  | 145.2  | 138.9  | 126.3  | 96.8   | 84.2   |
| 14849.9 | 75°   | 9639.7  | 2369.4 | 239.9  | 189.4  | 145.2  | 103.1  | 103.1  | 90.5   | 65.2   | 54.7   |
| 10252.1 | 77.5° | 6662.2  | 1239.4 | 141.0  | 122.0  | 86.3   | 61.0   | 67.3   | 54.7   | 31.6   | 25.3   |
| 4061.3  | 80°   | 2668.2  | 471.4  | 75.8   | 56.8   | 40.0   | 27.4   | 23.1   | 12.6   | 6.3    | 4.2    |
| 833.3   | 82.5° | 532.4   | 124.2  | 25.3   | 14.7   | 14.7   | 6.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| 229.4   | 85°   | 136.8   | 27.4   | 6.3    | 4.2    | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75.8    | 87.5° | 42.1    | 0.0    | 0.0    | 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°   |
|--------|
| 4766.2 |
| 4128.6 |
| 3219.6 |
| 2405.2 |
| 1952.8 |
| 1643.4 |
| 1462.5 |
| 1403.6 |
| 1348.8 |
| 1279.4 |
| 1210.0 |
| 1136.3 |
| 1056.3 |
| 972.2  |
| 883.8  |
| 795.4  |
| 715.5  |
| 648.1  |
| 601.8  |
| 551.3  |
| 481.9  |
| 423.0  |
| 370.4  |
| 324.1  |
| 269.3  |
| 216.7  |
| 166.2  |
| 138.9  |
| 109.4  |
| 82.1   |
| 54.7   |
| 25.3   |
| 6.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |