

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: P957296

Luminaire Tested: **GLAN-SB9C-940-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P957296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-940-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 41852 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 449.8  
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

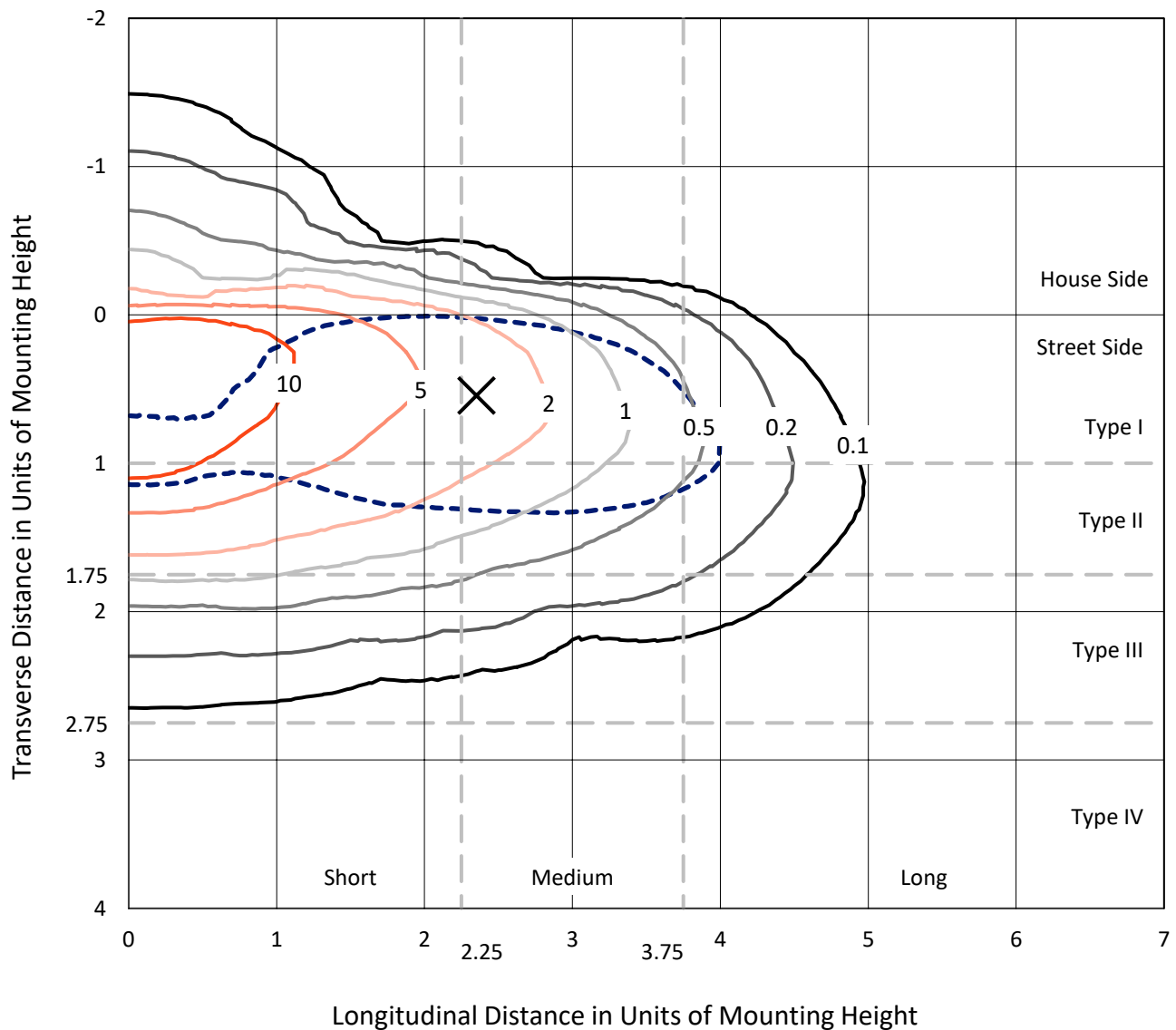


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## Iso-Footcandle Lines of Horizontal Illumination

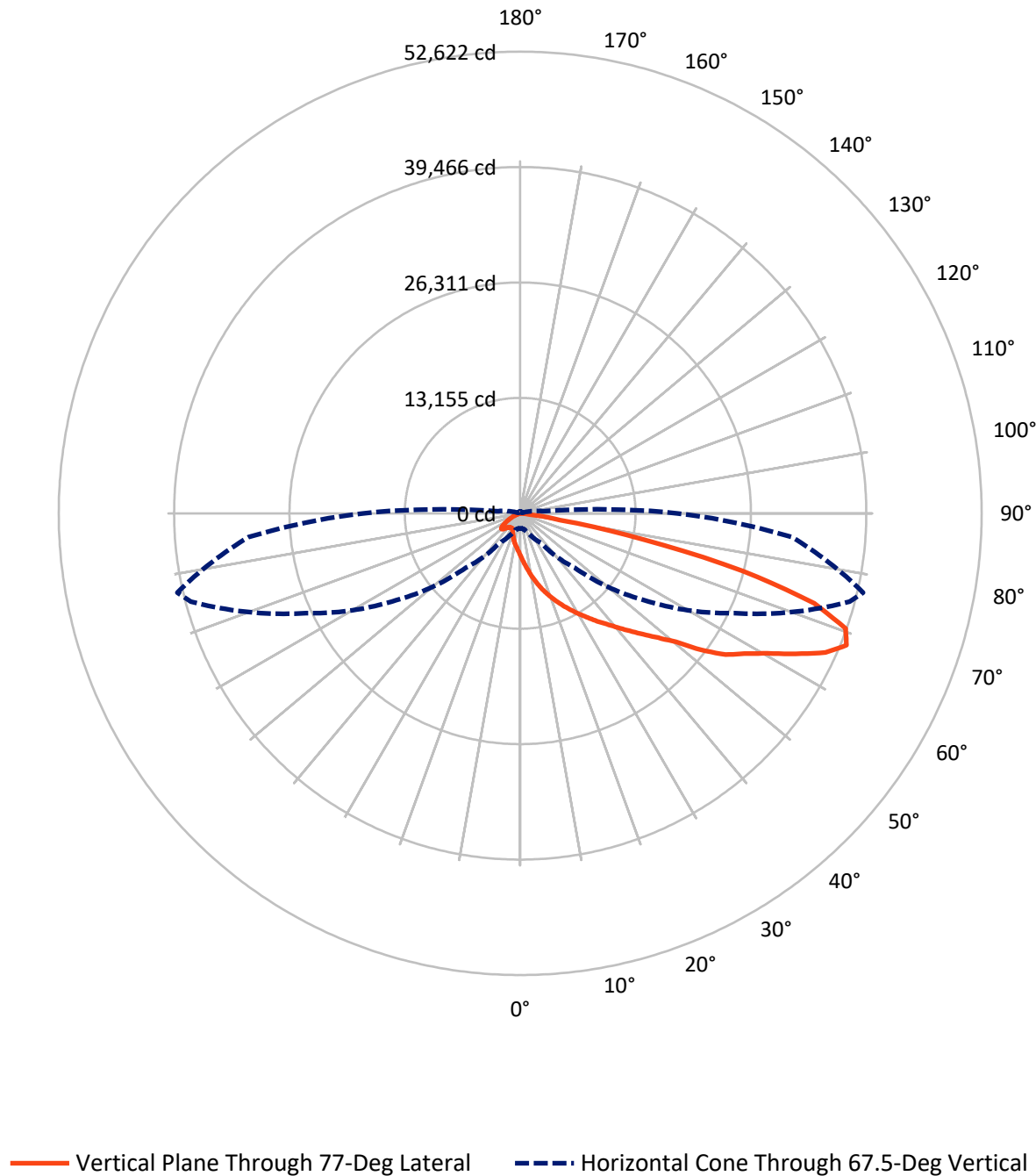
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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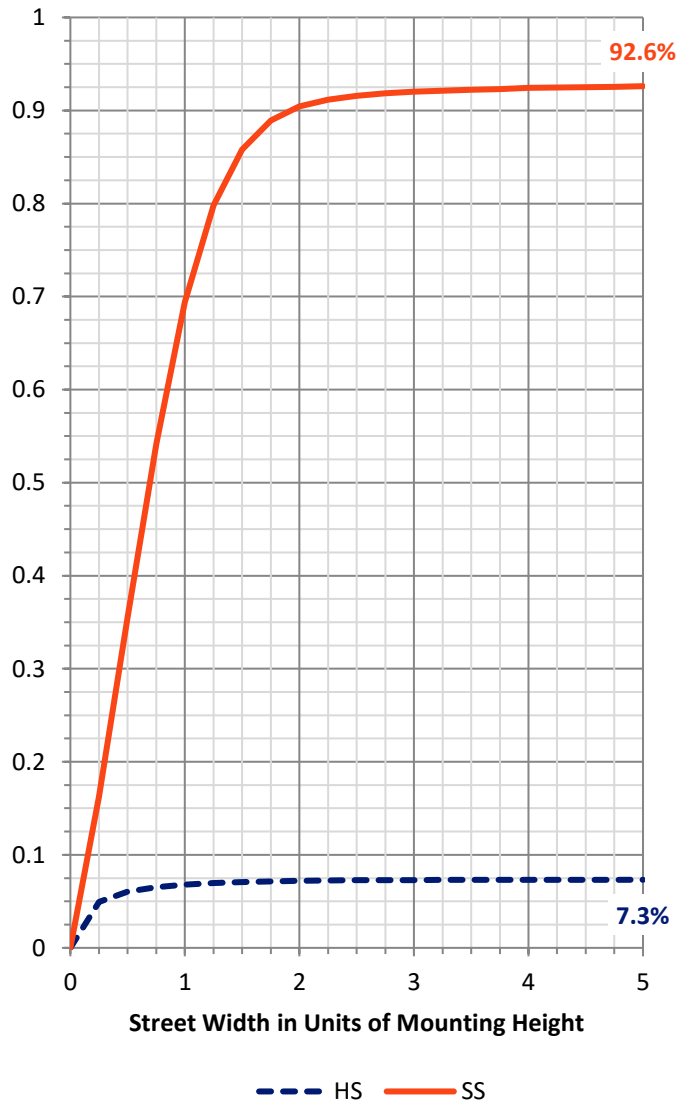
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3079.1   | 0.0    | 3079.1  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 38772.9  | 0.0    | 38772.9 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 41852.0  | 0.0    | 41852.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 492.6   | 1.2       |
| 10°-20°   | 1725.0  | 4.1       |
| 20°-30°   | 3328.7  | 8.0       |
| 30°-40°   | 5778.9  | 13.8      |
| 40°-50°   | 8390.6  | 20.0      |
| 50°-60°   | 9635.6  | 23.0      |
| 60°-70°   | 8365.5  | 20.0      |
| 70°-80°   | 3940.2  | 9.4       |
| 80°-90°   | 194.9   | 0.5       |
| 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°    | 41852.0 | 100.0     |
| 0°-180°   | 41852.0 | 100.0     |

**Coefficient of Utilization**



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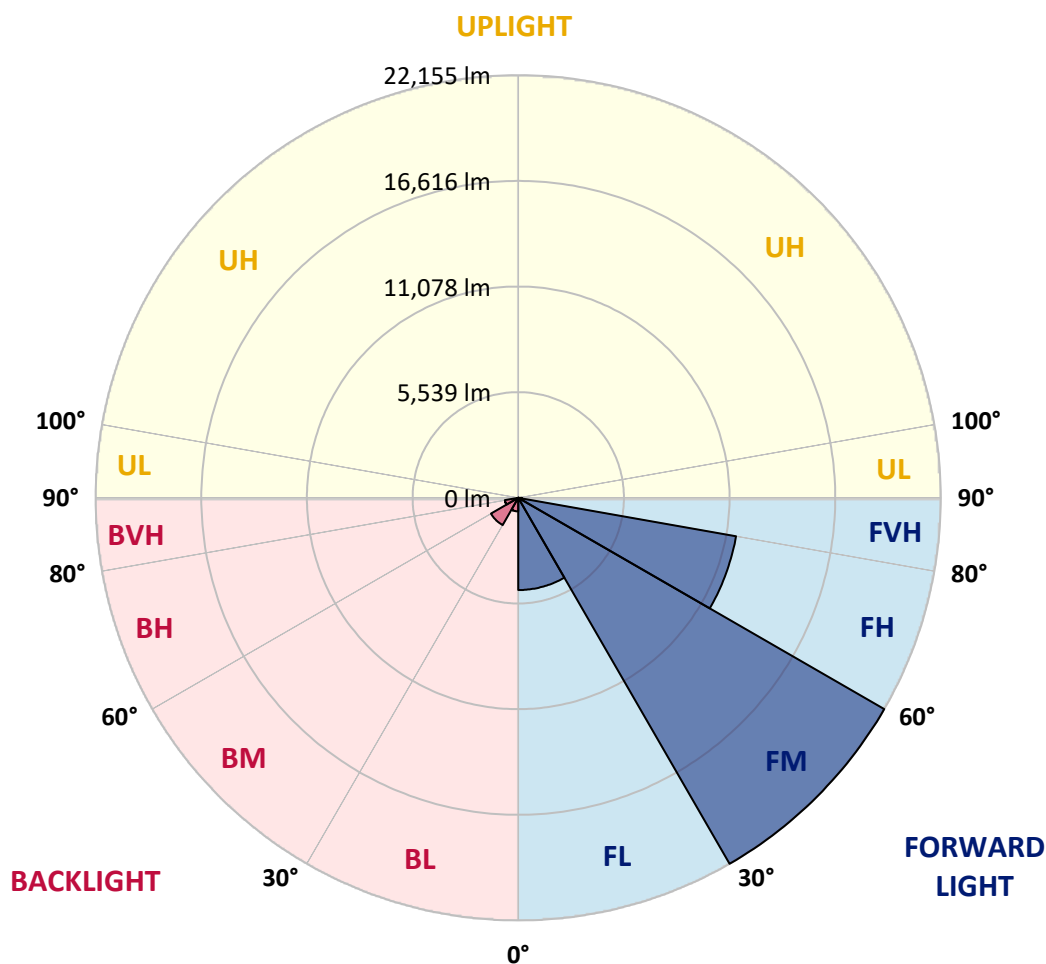
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4833.5  | 11.5      |                         |      |          |
| FM   | (30°-60°)   | 22155.3 | 52.9      |                         |      |          |
| FH   | (60°-80°)   | 11592.9 | 27.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 191.3   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 712.9   | 1.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1649.8  | 3.9       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 712.8   | 1.7       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.6     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  | 4826.2  |
| 2.5°  | 6681.8  | 6723.3  | 6663.6  | 6549.2  | 6377.7  | 6265.9  | 5993.1  | 5735.8  | 5449.9  | 5358.9  |
| 5°    | 8144.9  | 8181.3  | 8113.8  | 7989.0  | 7760.3  | 7542.0  | 7183.3  | 6645.4  | 6086.6  | 5907.3  |
| 7.5°  | 9228.7  | 9249.5  | 9223.5  | 9109.1  | 8890.8  | 8643.9  | 8243.7  | 7607.0  | 6777.9  | 6580.4  |
| 10°   | 10008.4 | 10075.9 | 10068.1 | 10023.9 | 9878.4  | 9678.3  | 9252.1  | 8527.0  | 7552.4  | 7297.7  |
| 12.5° | 10525.5 | 10600.9 | 10645.1 | 10743.8 | 10736.0 | 10608.7 | 10234.5 | 9467.8  | 8324.3  | 8025.4  |
| 15°   | 10676.3 | 10756.8 | 10925.8 | 11154.5 | 11357.2 | 11422.2 | 11159.7 | 10390.4 | 9174.1  | 8792.1  |
| 17.5° | 10590.5 | 10715.3 | 10918.0 | 11279.2 | 11723.6 | 12017.3 | 11988.7 | 11281.8 | 9946.0  | 9509.4  |
| 20°   | 10780.2 | 10899.8 | 11058.3 | 11362.4 | 11879.6 | 12412.3 | 12625.4 | 12134.2 | 10712.7 | 10255.2 |
| 22.5° | 11830.2 | 11809.4 | 11825.0 | 11874.4 | 12183.6 | 12711.2 | 13150.4 | 12908.7 | 11471.5 | 11003.7 |
| 25°   | 13493.5 | 13399.9 | 13241.4 | 12973.7 | 12895.7 | 13150.4 | 13607.8 | 13594.8 | 12272.0 | 11770.4 |
| 27.5° | 15401.1 | 15385.5 | 15013.8 | 14369.3 | 14005.5 | 13906.7 | 14125.0 | 14262.7 | 13064.7 | 12529.3 |
| 30°   | 17228.1 | 17269.7 | 16768.1 | 16050.8 | 15382.9 | 14995.6 | 14798.1 | 14896.9 | 13870.3 | 13347.9 |
| 32.5° | 18818.6 | 18862.8 | 18317.0 | 17477.6 | 16651.1 | 16183.3 | 15767.5 | 15523.2 | 14748.7 | 14179.6 |
| 35°   | 20162.2 | 20206.4 | 19580.1 | 18652.3 | 17771.3 | 17347.6 | 16877.2 | 16209.3 | 15632.4 | 15102.2 |
| 37.5° | 21362.9 | 21349.9 | 20510.5 | 19574.9 | 18709.5 | 18374.2 | 18127.3 | 17054.0 | 16542.0 | 16030.0 |
| 40°   | 22072.4 | 22127.0 | 21409.7 | 20377.9 | 19538.5 | 19294.2 | 19278.6 | 18101.3 | 17591.9 | 17095.5 |
| 42.5° | 22280.3 | 22376.5 | 21856.7 | 21009.5 | 20248.0 | 19982.9 | 20390.9 | 19234.4 | 18813.4 | 18330.0 |
| 45°   | 21906.1 | 21999.7 | 21763.2 | 21175.8 | 20731.4 | 20559.9 | 21347.3 | 20409.1 | 20118.1 | 19639.9 |
| 47.5° | 20814.6 | 20931.5 | 20988.7 | 20863.9 | 20858.7 | 21032.9 | 22205.0 | 21646.2 | 21667.0 | 21178.4 |
| 50°   | 18701.7 | 18899.2 | 19424.2 | 19866.0 | 20549.5 | 21407.1 | 23039.2 | 22987.2 | 23413.5 | 22992.4 |
| 52.5° | 14860.5 | 15141.2 | 16950.0 | 18158.5 | 19694.4 | 21336.9 | 23956.6 | 25139.1 | 26477.6 | 25861.6 |
| 55°   | 11941.9 | 11941.9 | 13412.9 | 15673.9 | 18025.9 | 20874.3 | 24356.9 | 26537.3 | 28564.5 | 28418.9 |
| 57.5° | 9735.5  | 9852.4  | 10790.6 | 12789.2 | 15611.6 | 19772.4 | 24603.8 | 27415.8 | 30246.0 | 30139.4 |
| 60°   | 6008.6  | 6260.7  | 8033.2  | 10005.8 | 12864.5 | 17810.2 | 24447.8 | 28304.6 | 32286.1 | 32371.9 |
| 62.5° | 3383.8  | 3477.3  | 4267.4  | 7198.9  | 10003.2 | 15172.4 | 23254.9 | 28801.0 | 34895.4 | 35259.2 |
| 65°   | 2336.4  | 2383.2  | 2687.3  | 4480.5  | 6933.9  | 12079.7 | 20923.7 | 28491.7 | 37509.9 | 38245.4 |
| 67.5° | 1697.1  | 1720.5  | 1910.2  | 2736.6  | 4114.1  | 8758.3  | 17269.7 | 26932.4 | 38895.1 | 40124.4 |
| 70°   | 1304.6  | 1320.2  | 1458.0  | 1798.4  | 2430.0  | 5405.7  | 12542.3 | 23831.9 | 37891.9 | 39360.3 |
| 72.5° | 1060.3  | 1075.9  | 1182.5  | 1330.6  | 1611.3  | 3196.6  | 7601.8  | 19354.0 | 33463.4 | 35048.7 |
| 75°   | 894.0   | 914.8   | 1011.0  | 1107.1  | 1263.1  | 2053.1  | 3565.7  | 13477.9 | 25165.1 | 26204.7 |
| 77.5° | 496.4   | 457.4   | 821.3   | 917.4   | 1065.5  | 1299.4  | 1668.5  | 7931.8  | 14093.8 | 14382.3 |
| 80°   | 309.3   | 319.7   | 652.3   | 738.1   | 818.7   | 654.9   | 764.1   | 3053.7  | 4885.9  | 4641.6  |
| 82.5° | 18.2    | 41.6    | 501.6   | 532.8   | 561.4   | 280.7   | 288.5   | 1037.0  | 1177.3  | 1081.1  |
| 85°   | 0.0     | 0.0     | 228.7   | 184.5   | 194.9   | 80.6    | 83.2    | 241.7   | 158.5   | 171.5   |
| 87.5° | 0.0     | 0.0     | 0.0     | 5.2     | 0.0     | 7.8     | 15.6    | 20.8    | 7.8     | 10.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4826.2  | 0°    | 4826.2  | 4826.2 | 4826.2 | 4826.2 | 4826.2 | 4826.2 | 4826.2 | 4826.2 | 4826.2 | 4826.2 |
| 5073.0  | 2.5°  | 4891.1  | 4709.2 | 4340.2 | 3978.9 | 3685.2 | 3412.4 | 3217.4 | 3032.9 | 2939.4 | 2934.2 |
| 5400.5  | 5°    | 5039.3  | 4657.2 | 3919.1 | 3266.8 | 2741.8 | 2320.8 | 2047.9 | 1853.0 | 1754.3 | 1720.5 |
| 5803.3  | 7.5°  | 5247.2  | 4672.8 | 3550.1 | 2643.1 | 2024.5 | 1663.3 | 1507.4 | 1445.0 | 1424.2 | 1400.8 |
| 6258.1  | 10°   | 5509.7  | 4709.2 | 3220.0 | 2128.5 | 1595.7 | 1413.8 | 1351.4 | 1325.4 | 1309.8 | 1294.3 |
| 6770.1  | 12.5° | 5803.3  | 4743.0 | 2892.6 | 1767.2 | 1403.4 | 1309.8 | 1265.7 | 1234.5 | 1213.7 | 1195.5 |
| 7295.1  | 15°   | 6089.2  | 4763.8 | 2552.1 | 1515.2 | 1304.6 | 1229.3 | 1182.5 | 1148.7 | 1120.1 | 1099.3 |
| 7809.7  | 17.5° | 6372.5  | 4792.4 | 2232.5 | 1364.4 | 1224.1 | 1148.7 | 1101.9 | 1060.3 | 1037.0 | 1013.6 |
| 8350.3  | 20°   | 6687.0  | 4787.2 | 1931.0 | 1257.9 | 1143.5 | 1068.1 | 1018.8 | 979.8  | 956.4  | 930.4  |
| 8922.0  | 22.5° | 6978.0  | 4761.2 | 1665.9 | 1166.9 | 1060.3 | 987.6  | 933.0  | 894.0  | 870.6  | 849.8  |
| 9506.8  | 25°   | 7313.3  | 4740.4 | 1445.0 | 1083.7 | 982.4  | 909.6  | 849.8  | 813.5  | 787.5  | 769.3  |
| 10094.1 | 27.5° | 7635.6  | 4709.2 | 1283.9 | 1008.4 | 907.0  | 836.8  | 779.7  | 738.1  | 714.7  | 701.7  |
| 10699.7 | 30°   | 7952.6  | 4701.4 | 1224.1 | 935.6  | 839.4  | 769.3  | 712.1  | 673.1  | 654.9  | 649.7  |
| 11365.0 | 32.5° | 8334.7  | 4722.2 | 1250.1 | 909.6  | 777.1  | 706.9  | 652.3  | 623.7  | 605.5  | 605.5  |
| 12105.7 | 35°   | 8742.7  | 4717.0 | 1289.1 | 933.0  | 735.5  | 644.5  | 602.9  | 584.8  | 566.6  | 566.6  |
| 12926.9 | 37.5° | 9254.7  | 4724.8 | 1320.2 | 972.0  | 719.9  | 592.5  | 569.2  | 545.8  | 535.4  | 535.4  |
| 13826.1 | 40°   | 10018.7 | 4982.1 | 1304.6 | 1005.8 | 714.7  | 556.2  | 509.4  | 501.6  | 493.8  | 493.8  |
| 14842.3 | 42.5° | 10954.3 | 5540.8 | 1325.4 | 1008.4 | 712.1  | 530.2  | 467.8  | 483.4  | 465.2  | 462.6  |
| 15988.4 | 45°   | 11978.3 | 6151.6 | 1458.0 | 953.8  | 709.5  | 517.2  | 447.0  | 465.2  | 436.6  | 436.6  |
| 17316.4 | 47.5° | 12994.5 | 6757.1 | 1593.1 | 875.8  | 701.7  | 514.6  | 428.8  | 418.4  | 410.6  | 413.2  |
| 19047.3 | 50°   | 14395.3 | 7250.9 | 1645.1 | 769.3  | 683.5  | 509.4  | 395.0  | 397.6  | 392.4  | 397.6  |
| 21487.7 | 52.5° | 15920.8 | 7354.9 | 1582.7 | 649.7  | 631.5  | 493.8  | 371.6  | 382.0  | 379.4  | 384.6  |
| 23205.5 | 55°   | 16872.0 | 7243.1 | 1307.2 | 540.6  | 551.0  | 431.4  | 348.3  | 369.0  | 369.0  | 369.0  |
| 24884.4 | 57.5° | 17854.4 | 6767.5 | 927.8  | 439.2  | 457.4  | 353.4  | 327.5  | 356.0  | 353.4  | 350.9  |
| 26906.4 | 60°   | 18561.3 | 5998.3 | 610.7  | 361.2  | 363.8  | 291.1  | 304.1  | 335.3  | 332.7  | 319.7  |
| 28990.7 | 62.5° | 19088.9 | 5148.4 | 392.4  | 306.7  | 278.1  | 262.5  | 278.1  | 304.1  | 293.7  | 265.1  |
| 30757.9 | 65°   | 19029.1 | 3971.1 | 301.5  | 262.5  | 228.7  | 228.7  | 241.7  | 265.1  | 233.9  | 187.1  |
| 31095.8 | 67.5° | 17919.4 | 2687.3 | 249.5  | 220.9  | 192.3  | 189.7  | 200.1  | 220.9  | 200.1  | 158.5  |
| 29364.9 | 70°   | 15936.4 | 1756.9 | 200.1  | 171.5  | 153.3  | 140.3  | 161.1  | 189.7  | 168.9  | 127.3  |
| 24998.8 | 72.5° | 12934.7 | 1070.7 | 150.7  | 124.7  | 111.8  | 91.0   | 127.3  | 155.9  | 135.1  | 93.6   |
| 17384.0 | 75°   | 8368.4  | 545.8  | 104.0  | 80.6   | 59.8   | 54.6   | 93.6   | 117.0  | 93.6   | 57.2   |
| 7713.5  | 77.5° | 3201.8  | 228.7  | 57.2   | 36.4   | 31.2   | 26.0   | 52.0   | 70.2   | 39.0   | 13.0   |
| 1494.4  | 80°   | 615.9   | 96.2   | 28.6   | 18.2   | 15.6   | 10.4   | 7.8    | 5.2    | 0.0    | 0.0    |
| 265.1   | 82.5° | 106.6   | 31.2   | 10.4   | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 52.0    | 85°   | 36.4    | 5.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 18.2    | 87.5° | 13.0    | 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    |

(END O



| 180°   |
|--------|
| 4826.2 |
| 2929.0 |
| 1715.3 |
| 1395.6 |
| 1289.1 |
| 1190.3 |
| 1096.7 |
| 1011.0 |
| 927.8  |
| 847.2  |
| 766.7  |
| 701.7  |
| 647.1  |
| 605.5  |
| 566.6  |
| 535.4  |
| 493.8  |
| 460.0  |
| 436.6  |
| 413.2  |
| 397.6  |
| 384.6  |
| 369.0  |
| 350.9  |
| 319.7  |
| 259.9  |
| 181.9  |
| 153.3  |
| 122.1  |
| 88.4   |
| 49.4   |
| 10.4   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |