

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: P957143

Luminaire Tested: **GLAN-SB9C-830-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957143  
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-SB9C-830-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 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: 49360 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

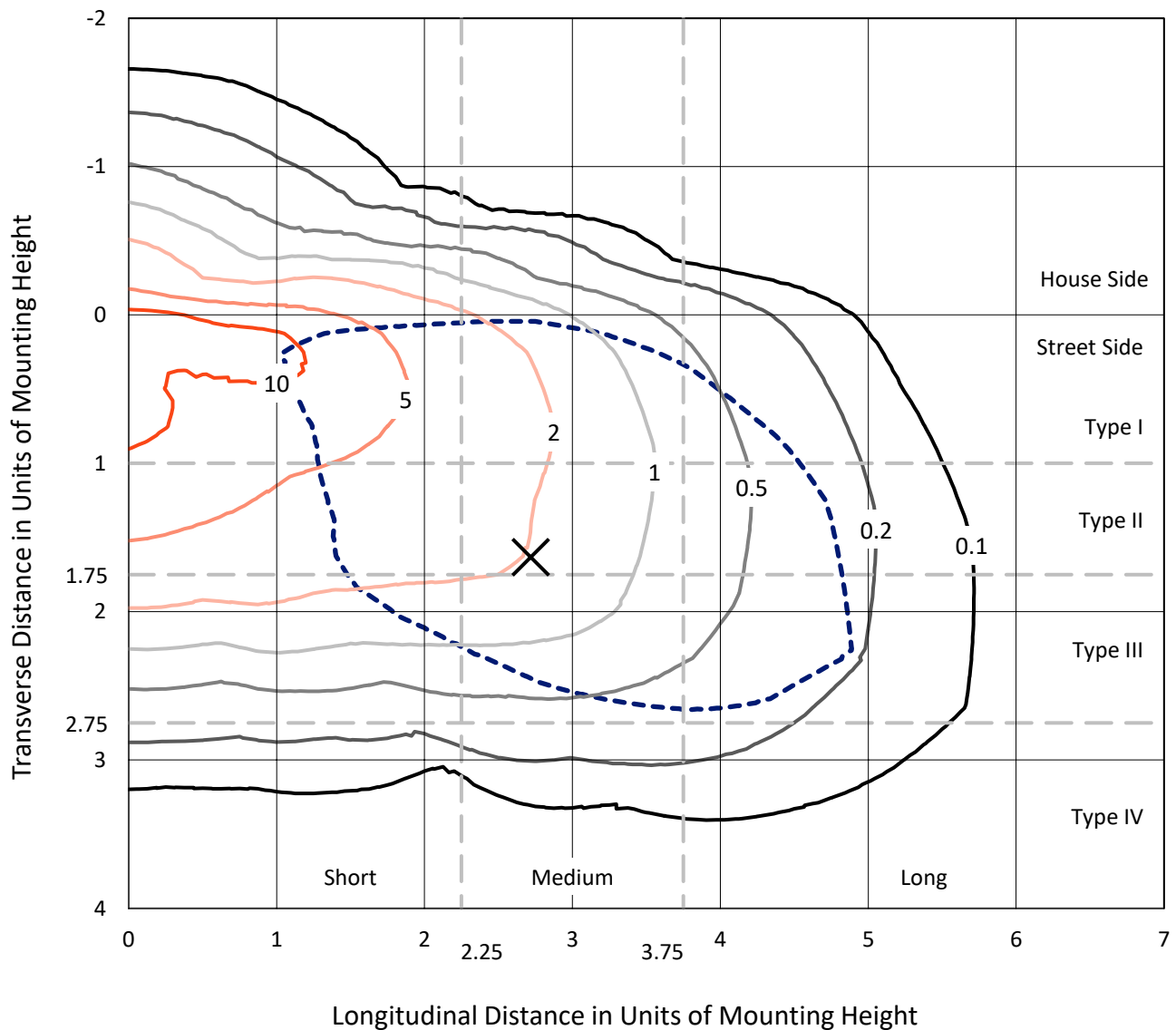
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

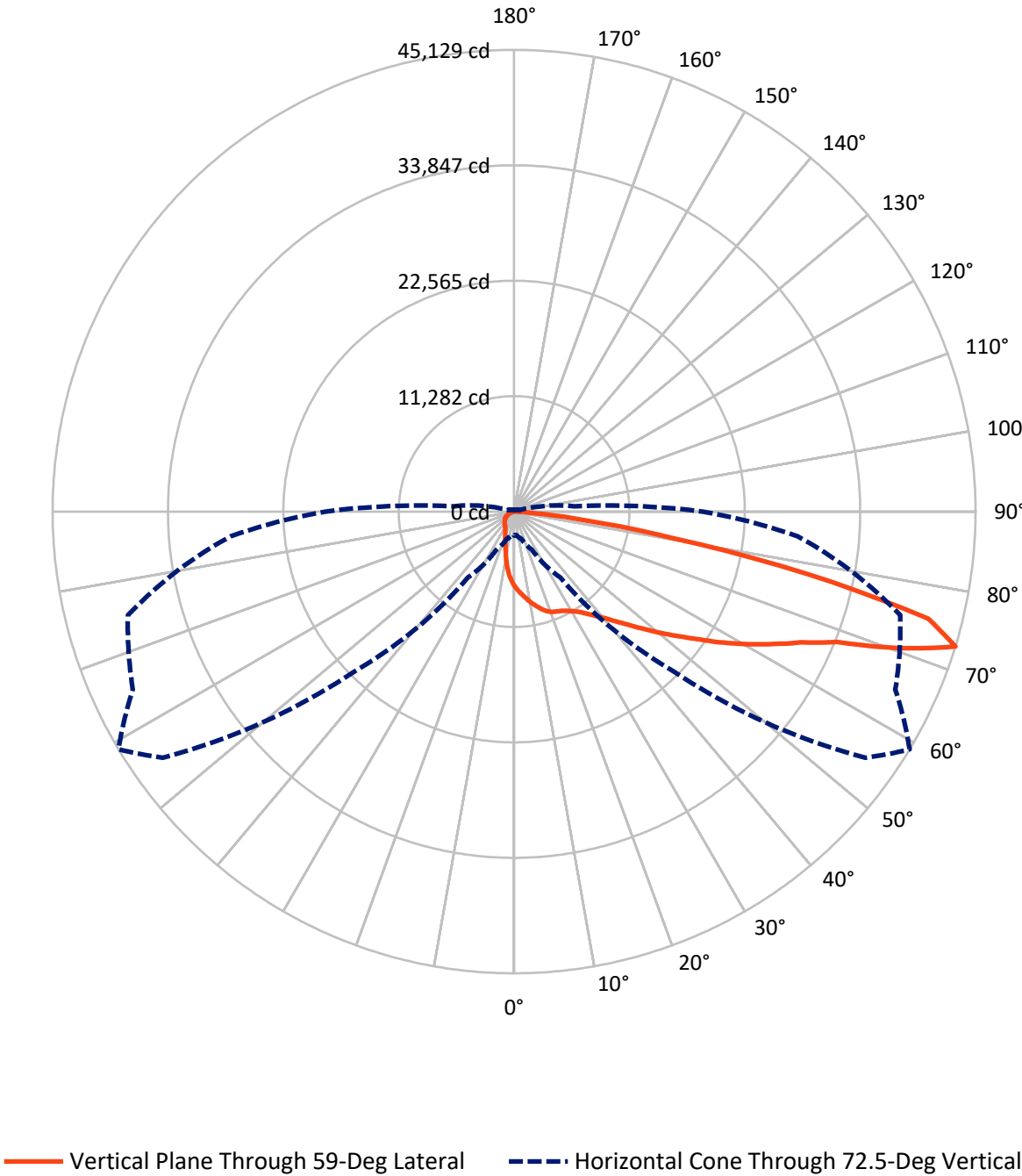
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc  
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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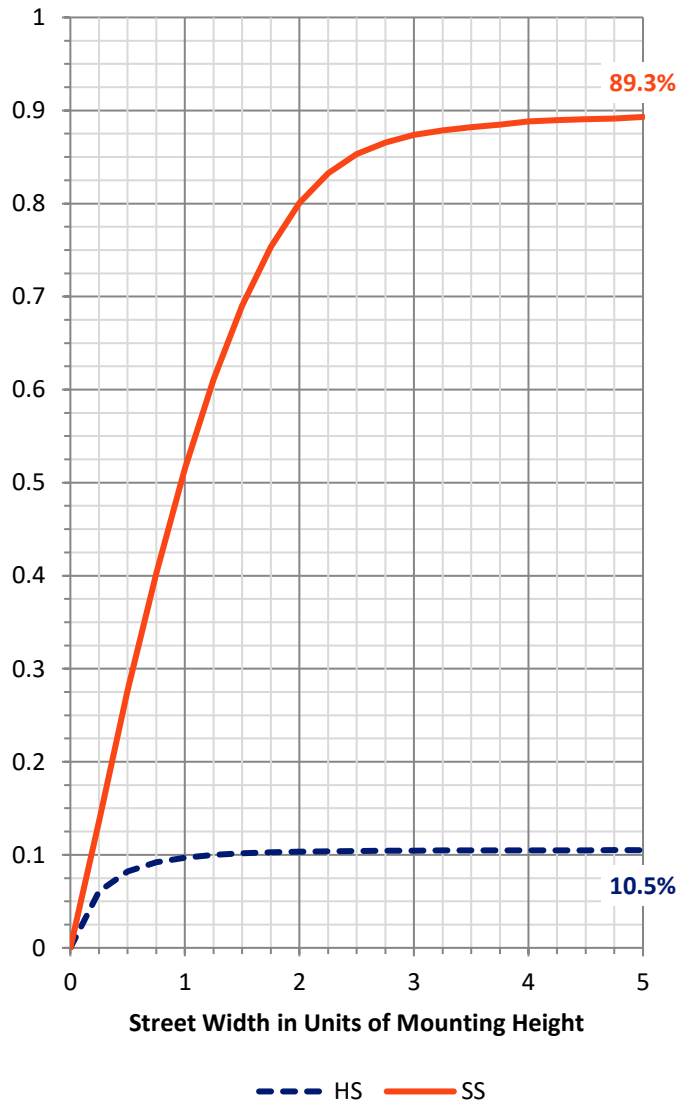
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5213.4   | 0.0    | 5213.4  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 44146.5  | 0.0    | 44146.5 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 49360.0  | 0.0    | 49360.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 660.4   | 1.3       |
| 10°-20°   | 1754.1  | 3.6       |
| 20°-30°   | 2780.0  | 5.6       |
| 30°-40°   | 4461.3  | 9.0       |
| 40°-50°   | 7125.6  | 14.4      |
| 50°-60°   | 10316.9 | 20.9      |
| 60°-70°   | 12243.5 | 24.8      |
| 70°-80°   | 9089.1  | 18.4      |
| 80°-90°   | 929.3   | 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°    | 49360.0 | 100.0     |
| 0°-180°   | 49360.0 | 100.0     |

**Coefficient of Utilization**



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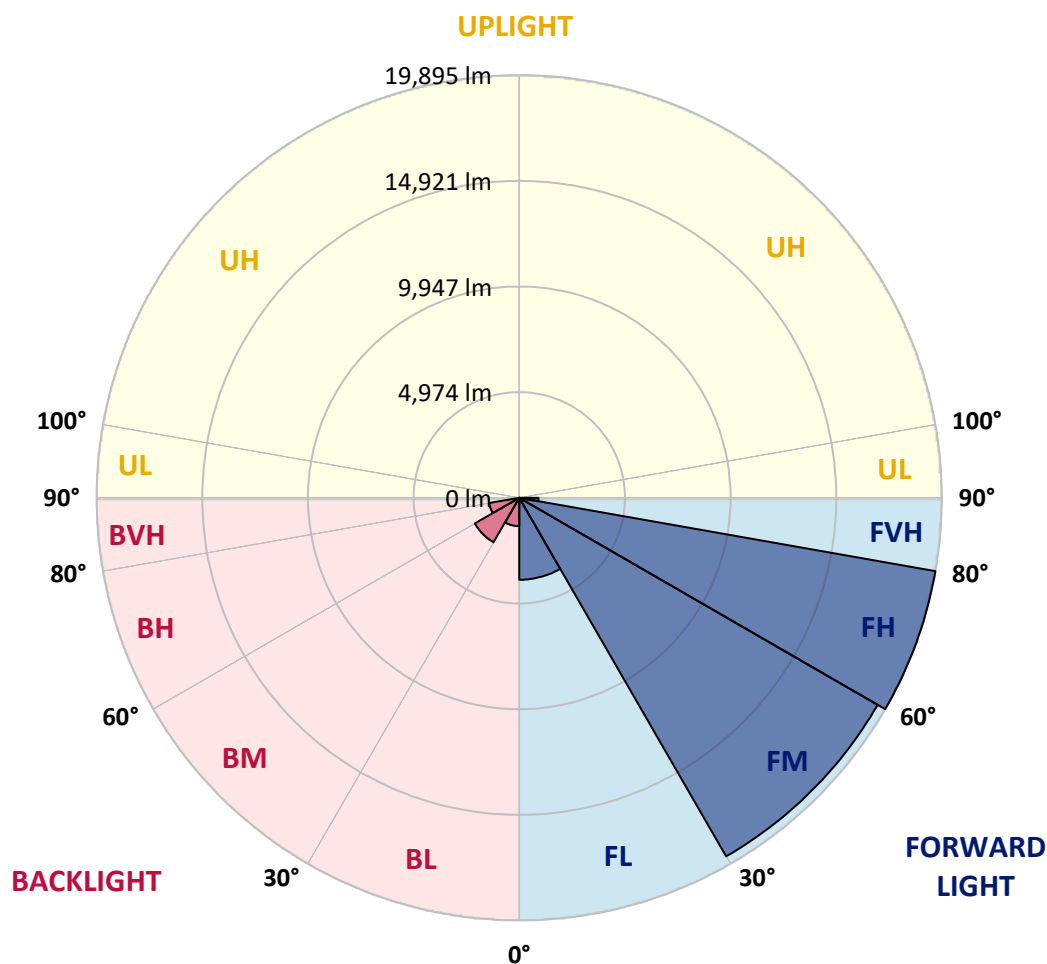
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3858.9  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 19486.6 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 19894.9 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 906.2   | 1.8       |                         |      | G5      |
| BL   | (0°-30°)    | 1335.5  | 2.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2417.1  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1437.7  | 2.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 23.1    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  | 7299.2  |
| 2.5°  | 8098.4  | 8053.3  | 8059.7  | 7982.4  | 7927.6  | 7869.6  | 7756.8  | 7740.7  | 7660.1  | 7518.3  |
| 5°    | 8804.1  | 8775.1  | 8749.3  | 8662.3  | 8549.5  | 8407.7  | 8217.6  | 8149.9  | 8001.7  | 7756.8  |
| 7.5°  | 9319.7  | 9284.3  | 9297.2  | 9210.2  | 9119.9  | 8962.0  | 8701.0  | 8575.3  | 8378.7  | 8004.9  |
| 10°   | 9419.6  | 9400.3  | 9484.1  | 9516.3  | 9516.3  | 9416.4  | 9161.8  | 9036.1  | 8749.3  | 8272.4  |
| 12.5° | 8858.9  | 8862.1  | 9071.6  | 9323.0  | 9651.7  | 9745.1  | 9574.3  | 9439.0  | 9155.4  | 8556.0  |
| 15°   | 8204.7  | 8207.9  | 8411.0  | 8733.2  | 9271.4  | 9809.6  | 9944.9  | 9857.9  | 9564.6  | 8862.1  |
| 17.5° | 7811.6  | 7795.4  | 7930.8  | 8195.0  | 8759.0  | 9516.3  | 10170.5 | 10228.5 | 9990.0  | 9200.5  |
| 20°   | 7756.8  | 7727.8  | 7798.7  | 7930.8  | 8333.6  | 9148.9  | 10196.3 | 10470.2 | 10428.3 | 9584.0  |
| 22.5° | 8091.9  | 8046.8  | 8008.1  | 8014.6  | 8185.4  | 8842.8  | 10131.8 | 10605.5 | 10879.5 | 10044.8 |
| 25°   | 8755.8  | 8684.9  | 8559.2  | 8398.1  | 8362.6  | 8778.3  | 10086.7 | 10753.8 | 11298.4 | 10634.5 |
| 27.5° | 9567.9  | 9468.0  | 9226.3  | 8984.6  | 8778.3  | 8958.8  | 10180.2 | 10989.0 | 11772.1 | 11321.0 |
| 30°   | 10460.5 | 10338.1 | 10096.4 | 9638.8  | 9310.1  | 9361.6  | 10402.5 | 11298.4 | 12378.0 | 12097.6 |
| 32.5° | 11772.1 | 11488.5 | 11066.4 | 10367.1 | 9932.0  | 9796.7  | 10737.7 | 11691.6 | 13128.8 | 13132.1 |
| 35°   | 12896.8 | 12738.9 | 12313.5 | 11443.4 | 10550.8 | 10373.5 | 11179.2 | 12245.8 | 14169.7 | 14501.7 |
| 37.5° | 13634.8 | 13418.9 | 13045.0 | 12390.9 | 11511.1 | 10966.5 | 11768.9 | 12925.8 | 15271.9 | 16061.4 |
| 40°   | 14459.8 | 14247.1 | 13750.8 | 13135.3 | 12626.1 | 11984.8 | 12513.3 | 13708.9 | 16480.3 | 17663.0 |
| 42.5° | 15455.5 | 15178.4 | 14591.9 | 13928.0 | 13396.3 | 13325.4 | 13486.5 | 14685.3 | 17721.0 | 19403.2 |
| 45°   | 16625.3 | 16364.3 | 15690.8 | 14852.9 | 14385.6 | 14260.0 | 14711.1 | 15822.9 | 19103.5 | 21311.0 |
| 47.5° | 17721.0 | 17418.1 | 16693.0 | 15929.3 | 15410.4 | 15014.1 | 16013.1 | 17166.7 | 20669.7 | 23305.8 |
| 50°   | 18652.4 | 18343.0 | 17679.1 | 16863.8 | 16512.6 | 15993.7 | 17292.4 | 18665.2 | 22223.0 | 25332.8 |
| 52.5° | 19290.4 | 19016.5 | 18236.6 | 17682.4 | 17443.9 | 17182.9 | 18790.9 | 20254.0 | 23769.8 | 27189.0 |
| 55°   | 19145.4 | 18900.5 | 18214.1 | 18175.4 | 18159.3 | 18433.2 | 20582.7 | 22055.4 | 25345.7 | 28945.3 |
| 57.5° | 18684.6 | 18407.4 | 17550.2 | 18140.0 | 18710.4 | 19548.2 | 22522.7 | 24185.5 | 27073.0 | 30601.7 |
| 60°   | 17327.9 | 17231.2 | 16709.1 | 18072.3 | 18942.4 | 20640.7 | 24739.8 | 26325.3 | 28942.1 | 32058.3 |
| 62.5° | 14456.5 | 14540.3 | 14537.1 | 18214.1 | 19361.3 | 21884.6 | 26753.9 | 28490.9 | 30769.3 | 33460.2 |
| 65°   | 10824.7 | 11114.7 | 11485.3 | 16937.9 | 19922.1 | 24105.0 | 29161.2 | 30840.2 | 32625.5 | 35090.8 |
| 67.5° | 7273.4  | 7505.4  | 7756.8  | 13895.8 | 18252.8 | 26438.1 | 33160.5 | 34059.6 | 34849.1 | 36898.7 |
| 70°   | 4163.6  | 4237.7  | 4589.0  | 8678.4  | 14069.8 | 25793.6 | 39673.3 | 39998.8 | 38165.1 | 39125.5 |
| 72.5° | 2333.2  | 2307.4  | 2771.4  | 4118.5  | 7863.1  | 22087.6 | 41954.9 | 45129.2 | 41133.1 | 39090.0 |
| 75°   | 1559.7  | 1563.0  | 1907.8  | 2597.4  | 3064.7  | 15462.0 | 36154.2 | 41845.3 | 39354.3 | 34662.2 |
| 77.5° | 1063.5  | 1098.9  | 1401.8  | 2007.7  | 1417.9  | 7544.1  | 23918.1 | 29312.7 | 31861.8 | 26766.8 |
| 80°   | 460.8   | 464.1   | 924.9   | 1440.5  | 957.1   | 2400.8  | 12400.5 | 15703.7 | 19983.3 | 15030.2 |
| 82.5° | 238.5   | 270.7   | 589.7   | 931.3   | 602.6   | 841.1   | 5858.7  | 6860.9  | 8385.2  | 4411.7  |
| 85°   | 83.8    | 99.9    | 364.2   | 457.6   | 302.9   | 299.7   | 2039.9  | 2078.6  | 1775.6  | 663.9   |
| 87.5° | 0.0     | 16.1    | 141.8   | 112.8   | 38.7    | 35.4    | 241.7   | 203.0   | 161.1   | 93.5    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7299.2  | 0°    | 7299.2  | 7299.2  | 7299.2 | 7299.2 | 7299.2 | 7299.2 | 7299.2 | 7299.2 | 7299.2 | 7299.2 |
| 7373.3  | 2.5°  | 7305.6  | 7218.6  | 7076.8 | 6902.8 | 6699.8 | 6590.2 | 6432.3 | 6335.6 | 6248.6 | 6251.8 |
| 7473.2  | 5°    | 7315.3  | 7170.3  | 6809.3 | 6425.8 | 6000.5 | 5687.9 | 5339.8 | 5094.9 | 4908.0 | 4862.9 |
| 7576.3  | 7.5°  | 7344.3  | 7099.4  | 6509.6 | 5871.6 | 5162.6 | 4637.3 | 4157.1 | 3854.2 | 3683.4 | 3638.3 |
| 7682.7  | 10°   | 7383.0  | 7022.0  | 6171.3 | 5194.8 | 4315.0 | 3683.4 | 3283.8 | 3090.5 | 3013.1 | 2955.1 |
| 7818.0  | 12.5° | 7415.2  | 6941.5  | 5745.9 | 4495.5 | 3561.0 | 3067.9 | 2765.0 | 2603.9 | 2536.2 | 2494.3 |
| 7975.9  | 15°   | 7470.0  | 6835.1  | 5285.0 | 3844.6 | 3051.8 | 2649.0 | 2362.2 | 2242.9 | 2223.6 | 2230.0 |
| 8149.9  | 17.5° | 7524.7  | 6732.0  | 4769.4 | 3335.4 | 2678.0 | 2281.6 | 2107.6 | 2088.2 | 2114.0 | 2139.8 |
| 8349.7  | 20°   | 7586.0  | 6583.8  | 4247.4 | 2951.9 | 2333.2 | 2027.0 | 1981.9 | 1994.8 | 2007.7 | 2052.8 |
| 8623.7  | 22.5° | 7676.2  | 6396.8  | 3789.8 | 2626.4 | 2046.3 | 1904.6 | 1882.0 | 1891.7 | 1901.3 | 1946.4 |
| 8984.6  | 25°   | 7805.1  | 6197.0  | 3419.2 | 2326.7 | 1865.9 | 1804.7 | 1782.1 | 1782.1 | 1795.0 | 1836.9 |
| 9403.5  | 27.5° | 7940.5  | 5913.5  | 3119.5 | 2049.6 | 1759.5 | 1695.1 | 1656.4 | 1656.4 | 1672.5 | 1720.9 |
| 9928.8  | 30°   | 8091.9  | 5655.6  | 2884.2 | 1843.3 | 1669.3 | 1585.5 | 1534.0 | 1521.1 | 1540.4 | 1601.6 |
| 10689.3 | 32.5° | 8365.8  | 5488.1  | 2716.6 | 1746.6 | 1588.7 | 1485.6 | 1414.7 | 1379.3 | 1398.6 | 1469.5 |
| 11752.8 | 35°   | 8781.6  | 5449.4  | 2600.6 | 1698.3 | 1511.4 | 1395.4 | 1295.5 | 1240.7 | 1256.8 | 1330.9 |
| 13064.4 | 37.5° | 9268.2  | 5530.0  | 2487.8 | 1633.9 | 1437.3 | 1308.4 | 1176.2 | 1105.3 | 1131.1 | 1198.8 |
| 14562.9 | 40°   | 9967.5  | 5865.1  | 2400.8 | 1585.5 | 1363.2 | 1205.2 | 1057.0 | 986.1  | 1028.0 | 1086.0 |
| 16122.6 | 42.5° | 10811.8 | 6461.3  | 2378.3 | 1540.4 | 1272.9 | 1095.7 | 947.4  | 895.9  | 928.1  | 982.9  |
| 17698.5 | 45°   | 11859.1 | 7221.8  | 2481.4 | 1482.4 | 1173.0 | 989.3  | 860.4  | 831.4  | 841.1  | 895.9  |
| 19187.3 | 47.5° | 12983.8 | 8001.7  | 2765.0 | 1430.8 | 1086.0 | 902.3  | 792.8  | 767.0  | 760.5  | 812.1  |
| 20547.2 | 50°   | 14121.4 | 8694.6  | 3100.1 | 1392.2 | 1024.8 | 831.4  | 741.2  | 709.0  | 692.9  | 725.1  |
| 21891.1 | 52.5° | 15246.1 | 9245.6  | 3319.3 | 1327.7 | 963.6  | 760.5  | 696.1  | 647.7  | 618.7  | 634.9  |
| 23228.4 | 55°   | 16386.9 | 9729.0  | 3332.2 | 1231.0 | 905.5  | 715.4  | 651.0  | 596.2  | 560.7  | 560.7  |
| 24517.5 | 57.5° | 17453.6 | 10154.4 | 3142.0 | 1102.1 | 825.0  | 673.5  | 589.7  | 544.6  | 505.9  | 493.1  |
| 25661.5 | 60°   | 18397.8 | 10470.2 | 2826.2 | 957.1  | 754.1  | 618.7  | 528.5  | 493.1  | 444.7  | 418.9  |
| 26679.8 | 62.5° | 19238.9 | 10624.9 | 2394.4 | 808.9  | 667.1  | 554.3  | 470.5  | 431.8  | 367.4  | 335.1  |
| 27714.3 | 65°   | 19951.1 | 10467.0 | 1943.2 | 670.3  | 593.0  | 483.4  | 402.8  | 364.2  | 293.3  | 254.6  |
| 28877.6 | 67.5° | 20656.8 | 9745.1  | 1469.5 | 564.0  | 515.6  | 406.0  | 331.9  | 296.5  | 244.9  | 212.7  |
| 29725.2 | 70°   | 20747.0 | 8227.3  | 1028.0 | 473.7  | 428.6  | 312.6  | 267.5  | 244.9  | 199.8  | 170.8  |
| 27833.5 | 72.5° | 18468.7 | 5919.9  | 625.2  | 386.7  | 335.1  | 222.4  | 212.7  | 193.4  | 148.2  | 128.9  |
| 22741.8 | 75°   | 14762.7 | 3628.6  | 367.4  | 290.0  | 222.4  | 157.9  | 157.9  | 138.6  | 99.9   | 83.8   |
| 15700.5 | 77.5° | 10202.7 | 1898.1  | 215.9  | 186.9  | 132.1  | 93.5   | 103.1  | 83.8   | 48.3   | 38.7   |
| 6219.6  | 80°   | 4086.2  | 721.9   | 116.0  | 87.0   | 61.2   | 41.9   | 35.4   | 19.3   | 9.7    | 6.4    |
| 1276.1  | 82.5° | 815.3   | 190.1   | 38.7   | 22.6   | 22.6   | 9.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 351.3   | 85°   | 209.5   | 41.9    | 9.7    | 6.4    | 6.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 116.0   | 87.5° | 64.5    | 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°   |
|--------|
| 7299.2 |
| 6322.7 |
| 4930.6 |
| 3683.4 |
| 2990.6 |
| 2516.8 |
| 2239.7 |
| 2149.5 |
| 2065.7 |
| 1959.3 |
| 1853.0 |
| 1740.2 |
| 1617.7 |
| 1488.8 |
| 1353.5 |
| 1218.1 |
| 1095.7 |
| 992.6  |
| 921.7  |
| 844.3  |
| 738.0  |
| 647.7  |
| 567.2  |
| 496.3  |
| 412.5  |
| 331.9  |
| 254.6  |
| 212.7  |
| 167.6  |
| 125.7  |
| 83.8   |
| 38.7   |
| 9.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |