

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: P944641

Luminaire Tested: **GLAN-SB9C-940-U-SL4-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-940-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34505 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
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



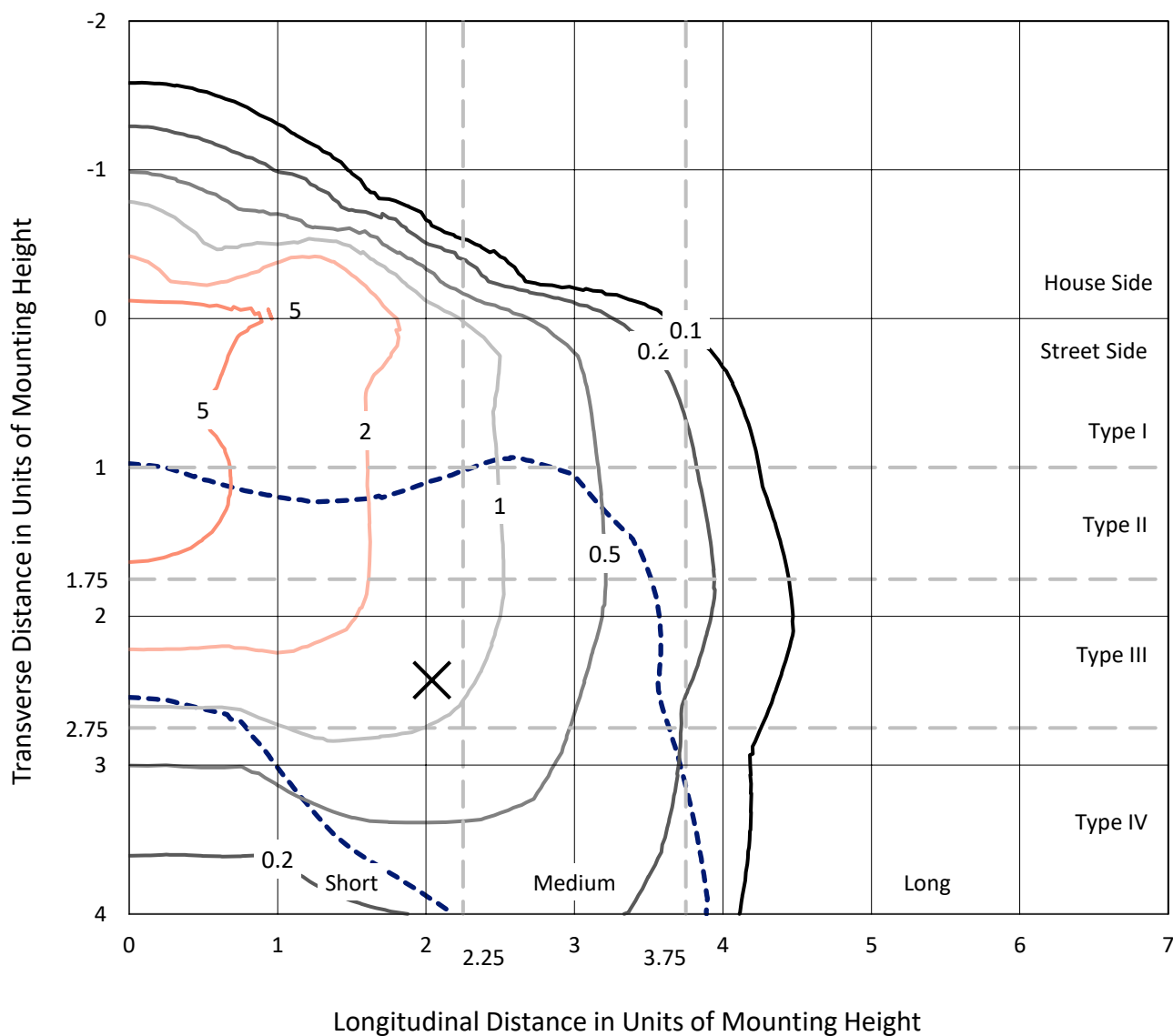
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

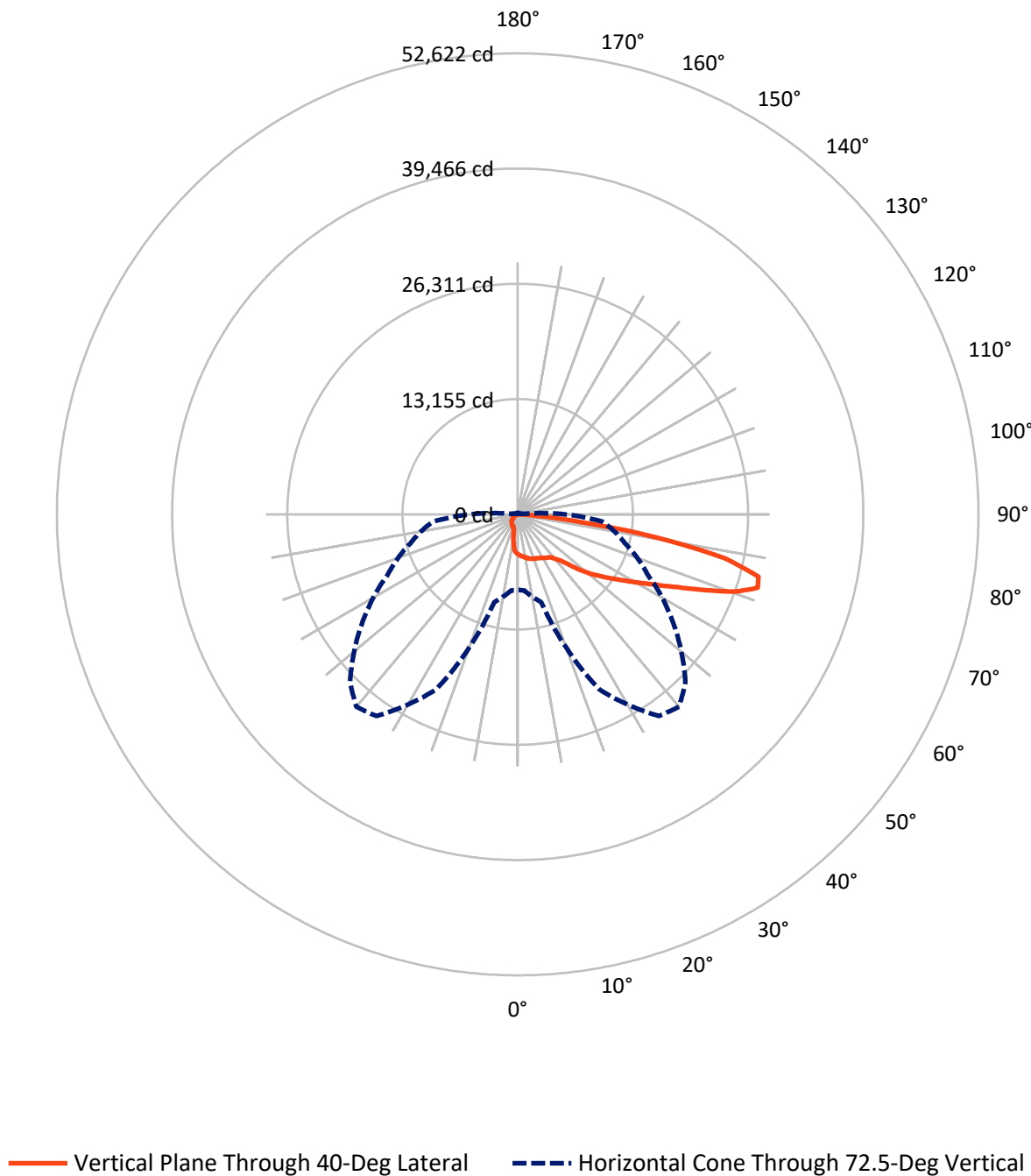


Based on 25 foot mounting height. Maximum calculated value = 8.4 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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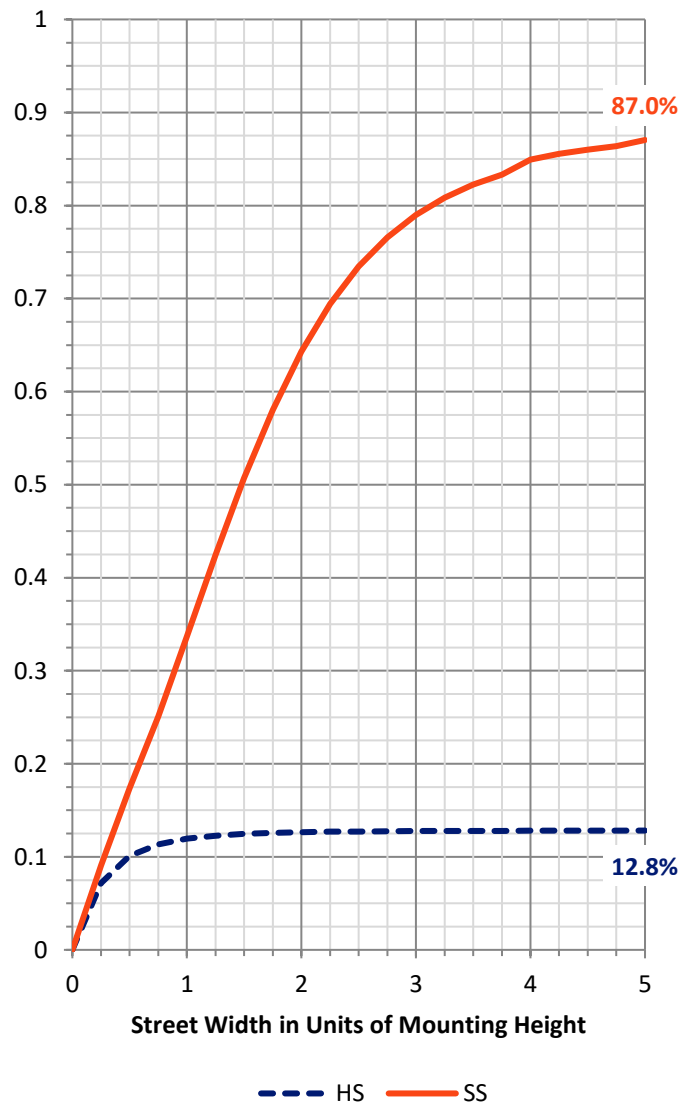
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4456.0   | 0.0    | 4456.0  |
|                    | % Fixture | 12.9     | 0.0    | 12.9    |
| <b>Street Side</b> | Lumens    | 30049.0  | 0.0    | 30049.0 |
|                    | % Fixture | 87.1     | 0.0    | 87.1    |
| <b>Total</b>       | Lumens    | 34505.0  | 0.0    | 34505.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 417.2   | 1.2       |
| 10°-20°   | 1133.1  | 3.3       |
| 20°-30°   | 1833.5  | 5.3       |
| 30°-40°   | 2706.8  | 7.8       |
| 40°-50°   | 4555.7  | 13.2      |
| 50°-60°   | 7073.7  | 20.5      |
| 60°-70°   | 8851.3  | 25.7      |
| 70°-80°   | 7246.5  | 21.0      |
| 80°-90°   | 687.1   | 2.0       |
| 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°    | 34505.0 | 100.0     |
| 0°-180°   | 34505.0 | 100.0     |

**Coefficient of Utilization**



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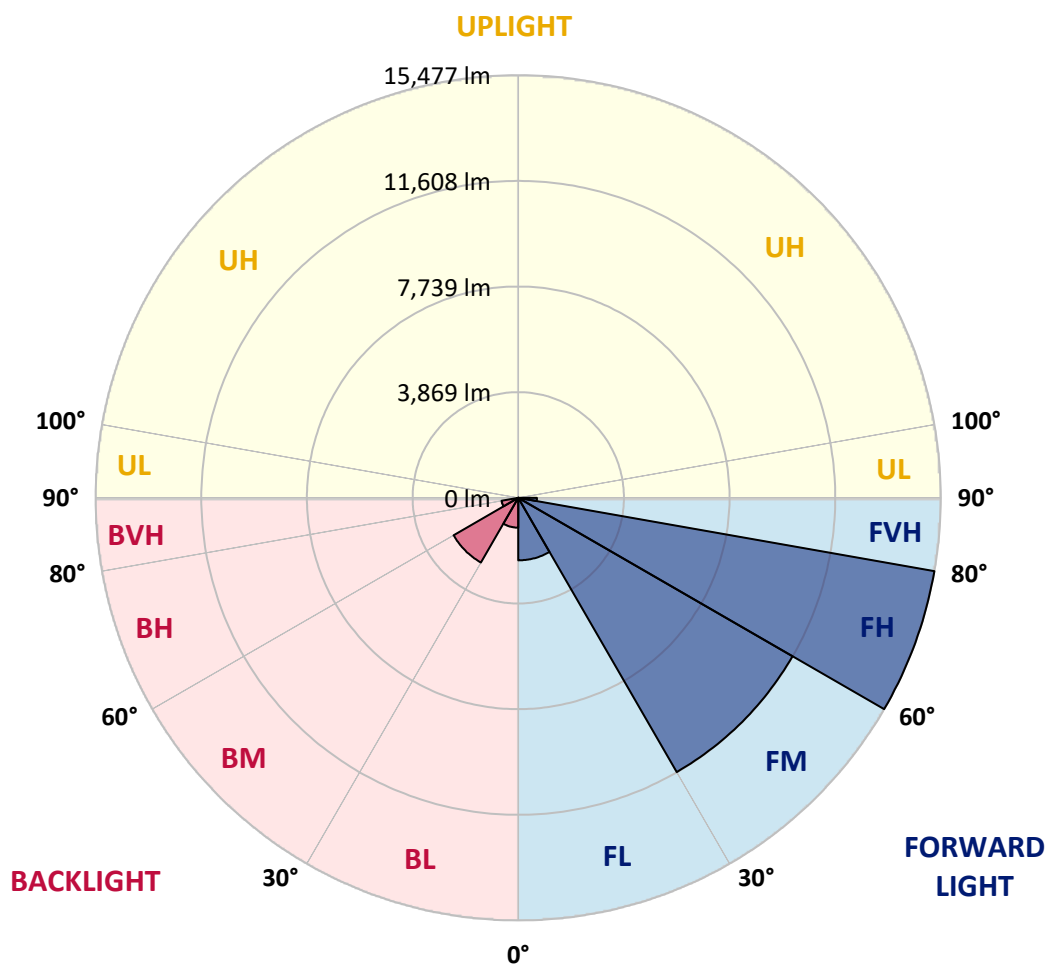
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2290.1  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 11600.0 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 15477.0 | 44.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 681.9   | 2.0       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1093.7  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2736.3  | 7.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 620.8   | 1.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.2     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  | 4568.7  |
| 2.5°  | 4706.5  | 4724.7  | 4714.3  | 4693.5  | 4688.3  | 4677.9  | 4664.9  | 4659.7  | 4641.5  | 4625.9  |
| 5°    | 4839.0  | 4857.2  | 4844.2  | 4815.6  | 4802.6  | 4789.6  | 4771.5  | 4755.9  | 4719.5  | 4685.7  |
| 7.5°  | 4984.6  | 5000.1  | 4984.6  | 4943.0  | 4922.2  | 4906.6  | 4880.6  | 4857.2  | 4815.6  | 4766.3  |
| 10°   | 5145.7  | 5158.7  | 5135.3  | 5080.7  | 5046.9  | 5023.5  | 5000.1  | 4974.2  | 4935.2  | 4880.6  |
| 12.5° | 5296.4  | 5312.0  | 5275.6  | 5210.7  | 5171.7  | 5148.3  | 5122.3  | 5101.5  | 5062.5  | 5010.5  |
| 15°   | 5434.2  | 5457.5  | 5395.2  | 5325.0  | 5280.8  | 5262.6  | 5236.6  | 5223.6  | 5197.7  | 5161.3  |
| 17.5° | 5538.1  | 5553.7  | 5488.7  | 5405.6  | 5356.2  | 5343.2  | 5325.0  | 5332.8  | 5327.6  | 5309.4  |
| 20°   | 5626.5  | 5636.9  | 5551.1  | 5449.7  | 5395.2  | 5397.8  | 5392.6  | 5418.6  | 5429.0  | 5429.0  |
| 22.5° | 5735.6  | 5738.2  | 5629.1  | 5501.7  | 5436.8  | 5454.9  | 5462.7  | 5491.3  | 5512.1  | 5532.9  |
| 25°   | 5878.6  | 5873.4  | 5743.4  | 5569.3  | 5512.1  | 5538.1  | 5556.3  | 5566.7  | 5590.1  | 5623.9  |
| 27.5° | 6091.7  | 6076.1  | 5909.7  | 5678.4  | 5610.9  | 5634.3  | 5668.0  | 5662.8  | 5652.5  | 5678.4  |
| 30°   | 6361.9  | 6341.1  | 6120.2  | 5831.8  | 5769.4  | 5790.2  | 5800.6  | 5753.8  | 5678.4  | 5701.8  |
| 32.5° | 6790.7  | 6754.4  | 6447.7  | 6003.3  | 5907.1  | 5930.5  | 5917.5  | 5821.4  | 5709.6  | 5733.0  |
| 35°   | 7536.6  | 7448.2  | 7014.2  | 6361.9  | 6063.1  | 6037.1  | 6005.9  | 5912.3  | 5774.6  | 5751.2  |
| 37.5° | 9121.9  | 8966.0  | 8225.3  | 7061.0  | 6416.5  | 6247.6  | 6151.4  | 6057.9  | 5844.8  | 5751.2  |
| 40°   | 10909.9 | 10751.4 | 9896.3  | 8230.5  | 7003.8  | 6718.0  | 6489.3  | 6229.4  | 5917.5  | 5785.0  |
| 42.5° | 12775.8 | 12601.7 | 11723.3 | 9680.6  | 7843.3  | 7255.9  | 6829.7  | 6367.1  | 6037.1  | 5888.9  |
| 45°   | 14860.1 | 14641.8 | 13493.1 | 11193.2 | 9062.1  | 8149.9  | 7378.1  | 6650.4  | 6245.0  | 6073.5  |
| 47.5° | 17058.7 | 16775.4 | 15257.7 | 12661.5 | 10374.5 | 9387.0  | 8381.2  | 7157.2  | 6551.6  | 6348.9  |
| 50°   | 19007.8 | 18727.2 | 17079.5 | 14197.4 | 11601.2 | 10564.2 | 9524.7  | 7858.9  | 7011.6  | 6738.8  |
| 52.5° | 20408.6 | 20195.5 | 18737.6 | 15782.7 | 12877.2 | 11668.7 | 10561.6 | 8674.9  | 7593.8  | 7237.7  |
| 55°   | 21346.8 | 21151.9 | 19912.2 | 17284.8 | 14361.1 | 12885.0 | 11583.0 | 9561.1  | 8295.5  | 7835.5  |
| 57.5° | 21915.9 | 21804.2 | 20762.0 | 18625.8 | 15832.1 | 14215.6 | 12752.5 | 10535.7 | 9121.9  | 8539.8  |
| 60°   | 22118.6 | 22027.7 | 21289.6 | 19904.4 | 17609.7 | 15813.9 | 14127.2 | 11635.0 | 10125.0 | 9340.2  |
| 62.5° | 21578.1 | 21596.3 | 21669.0 | 21419.6 | 19483.4 | 17685.0 | 15774.9 | 12955.2 | 11237.3 | 10247.2 |
| 65°   | 19033.8 | 19184.6 | 20567.1 | 23098.4 | 21965.3 | 20029.2 | 17872.1 | 14566.4 | 12510.8 | 11278.9 |
| 67.5° | 15759.3 | 15977.6 | 17698.0 | 24080.8 | 24610.9 | 23072.4 | 20793.2 | 16619.5 | 14028.5 | 12328.8 |
| 70°   | 12063.8 | 12297.7 | 14381.9 | 23875.4 | 27087.6 | 26398.9 | 24405.6 | 19231.3 | 15600.8 | 13056.5 |
| 72.5° | 8609.9  | 8729.5  | 10371.9 | 22048.5 | 28103.7 | 28665.1 | 27066.8 | 21705.4 | 16403.8 | 12653.7 |
| 75°   | 6050.1  | 6029.3  | 7118.2  | 17755.2 | 26521.1 | 28389.6 | 26133.8 | 20367.0 | 14844.5 | 10052.3 |
| 77.5° | 2635.2  | 2640.4  | 3555.2  | 10782.5 | 21167.5 | 24247.1 | 21723.6 | 12757.7 | 10348.5 | 5327.6  |
| 80°   | 683.5   | 704.3   | 1304.6  | 4293.3  | 12744.7 | 16003.6 | 13248.8 | 5608.3  | 4781.8  | 1299.4  |
| 82.5° | 241.7   | 257.3   | 600.3   | 1348.8  | 4701.3  | 7339.1  | 5899.3  | 1793.2  | 1247.4  | 371.6   |
| 85°   | 70.2    | 83.2    | 322.3   | 413.2   | 972.0   | 2073.9  | 1432.0  | 348.2   | 306.7   | 192.3   |
| 87.5° | 0.0     | 10.4    | 65.0    | 57.2    | 57.2    | 39.0    | 72.8    | 39.0    | 49.4    | 23.4    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4568.7  | 0°    | 4568.7  | 4568.7  | 4568.7 | 4568.7 | 4568.7 | 4568.7 | 4568.7 | 4568.7 | 4568.7 | 4568.7 |
| 4607.7  | 2.5°  | 4592.1  | 4573.9  | 4535.0 | 4493.4 | 4454.4 | 4418.0 | 4407.6 | 4368.6 | 4350.4 | 4353.0 |
| 4644.1  | 5°    | 4615.5  | 4581.7  | 4506.4 | 4415.4 | 4321.9 | 4215.3 | 4126.9 | 4002.2 | 3895.6 | 3882.7 |
| 4714.3  | 7.5°  | 4677.9  | 4623.3  | 4501.2 | 4324.5 | 4090.6 | 3796.9 | 3524.0 | 3253.7 | 3100.4 | 3017.2 |
| 4818.2  | 10°   | 4774.0  | 4701.3  | 4514.2 | 4176.3 | 3679.9 | 3155.0 | 2741.8 | 2401.3 | 2227.2 | 2146.6 |
| 4945.6  | 12.5° | 4888.4  | 4807.8  | 4535.0 | 3924.2 | 3149.8 | 2461.1 | 2014.1 | 1806.2 | 1769.8 | 1764.6 |
| 5101.5  | 15°   | 5049.5  | 4961.2  | 4558.3 | 3583.8 | 2575.4 | 1873.8 | 1668.4 | 1671.0 | 1699.6 | 1715.2 |
| 5270.4  | 17.5° | 5228.8  | 5140.5  | 4524.6 | 3168.0 | 2008.9 | 1600.9 | 1595.7 | 1619.1 | 1660.7 | 1676.2 |
| 5426.4  | 20°   | 5410.8  | 5327.6  | 4405.0 | 2679.4 | 1624.3 | 1525.5 | 1546.3 | 1572.3 | 1613.9 | 1634.7 |
| 5579.7  | 22.5° | 5597.9  | 5525.1  | 4215.3 | 2159.6 | 1465.7 | 1470.9 | 1496.9 | 1522.9 | 1569.7 | 1593.1 |
| 5730.4  | 25°   | 5798.0  | 5735.6  | 3963.2 | 1730.8 | 1398.2 | 1413.8 | 1447.5 | 1478.7 | 1528.1 | 1556.7 |
| 5857.8  | 27.5° | 6000.7  | 5953.9  | 3677.3 | 1444.9 | 1335.8 | 1354.0 | 1393.0 | 1434.6 | 1483.9 | 1517.7 |
| 5969.5  | 30°   | 6221.6  | 6195.6  | 3448.6 | 1338.4 | 1276.0 | 1291.6 | 1335.8 | 1382.6 | 1437.2 | 1478.7 |
| 6081.3  | 32.5° | 6447.7  | 6442.5  | 3336.9 | 1416.4 | 1221.4 | 1231.8 | 1270.8 | 1317.6 | 1385.2 | 1437.2 |
| 6174.8  | 35°   | 6671.2  | 6681.6  | 3271.9 | 1637.3 | 1203.3 | 1174.7 | 1200.7 | 1242.2 | 1322.8 | 1387.8 |
| 6281.4  | 37.5° | 6957.1  | 6983.1  | 3269.3 | 1876.4 | 1247.4 | 1117.5 | 1135.7 | 1164.3 | 1234.4 | 1309.8 |
| 6447.7  | 40°   | 7383.3  | 7521.0  | 3435.7 | 2081.7 | 1325.4 | 1065.5 | 1070.7 | 1075.9 | 1112.3 | 1174.7 |
| 6668.6  | 42.5° | 7949.8  | 8352.6  | 4036.0 | 2222.0 | 1356.6 | 1018.7 | 1000.5 | 972.0  | 966.8  | 1000.5 |
| 6970.1  | 45°   | 8654.1  | 9358.4  | 5091.1 | 2300.0 | 1325.4 | 966.8  | 917.4  | 842.0  | 813.4  | 836.8  |
| 7378.1  | 47.5° | 9483.1  | 10460.3 | 6341.1 | 2318.2 | 1273.4 | 901.8  | 813.4  | 714.7  | 691.3  | 699.1  |
| 7926.4  | 50°   | 10291.4 | 11286.7 | 7440.4 | 2167.4 | 1187.7 | 818.6  | 699.1  | 615.9  | 600.3  | 602.9  |
| 8573.5  | 52.5° | 11006.0 | 11570.0 | 7752.3 | 1811.4 | 1073.3 | 717.3  | 600.3  | 543.2  | 532.8  | 532.8  |
| 9288.2  | 55°   | 11479.0 | 11263.3 | 6912.9 | 1385.2 | 930.4  | 613.3  | 514.6  | 486.0  | 480.8  | 478.2  |
| 10086.1 | 57.5° | 11577.8 | 10265.4 | 5221.0 | 1000.5 | 727.7  | 517.2  | 457.4  | 441.8  | 431.4  | 421.0  |
| 10904.7 | 60°   | 11224.3 | 8602.1  | 3323.9 | 699.1  | 545.8  | 441.8  | 405.4  | 395.0  | 374.2  | 353.4  |
| 11673.9 | 62.5° | 10460.3 | 6497.1  | 1840.0 | 486.0  | 439.2  | 376.8  | 358.6  | 345.6  | 306.7  | 272.9  |
| 12284.7 | 65°   | 9433.8  | 4319.3  | 813.4  | 379.4  | 358.6  | 317.1  | 306.7  | 288.5  | 241.7  | 202.7  |
| 12516.0 | 67.5° | 8402.0  | 2487.1  | 366.4  | 304.1  | 288.5  | 259.9  | 252.1  | 239.1  | 205.3  | 168.9  |
| 11926.0 | 70°   | 7224.7  | 1260.4  | 252.1  | 241.7  | 223.5  | 197.5  | 205.3  | 202.7  | 168.9  | 137.7  |
| 9727.4  | 72.5° | 5379.6  | 626.3   | 189.7  | 181.9  | 161.1  | 140.3  | 168.9  | 166.3  | 132.5  | 104.0  |
| 5998.1  | 75°   | 3045.8  | 309.3   | 137.7  | 127.3  | 96.2   | 104.0  | 135.1  | 127.3  | 91.0   | 67.6   |
| 2531.3  | 77.5° | 1208.5  | 158.5   | 91.0   | 78.0   | 57.2   | 70.2   | 98.8   | 85.8   | 46.8   | 28.6   |
| 483.4   | 80°   | 278.1   | 78.0    | 46.8   | 33.8   | 26.0   | 41.6   | 52.0   | 31.2   | 13.0   | 2.6    |
| 129.9   | 82.5° | 78.0    | 33.8    | 15.6   | 13.0   | 13.0   | 15.6   | 13.0   | 5.2    | 0.0    | 0.0    |
| 33.8    | 85°   | 26.0    | 15.6    | 5.2    | 2.6    | 2.6    | 2.6    | 2.6    | 0.0    | 0.0    | 0.0    |
| 10.4    | 87.5° | 10.4    | 5.2     | 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°   |
|--------|
| 4568.7 |
| 4350.4 |
| 3874.9 |
| 3012.0 |
| 2131.0 |
| 1762.0 |
| 1712.6 |
| 1673.6 |
| 1634.7 |
| 1593.1 |
| 1556.7 |
| 1520.3 |
| 1483.9 |
| 1442.4 |
| 1398.2 |
| 1322.8 |
| 1195.5 |
| 1018.7 |
| 836.8  |
| 696.5  |
| 602.9  |
| 530.2  |
| 473.0  |
| 415.8  |
| 345.6  |
| 262.5  |
| 194.9  |
| 163.7  |
| 132.5  |
| 98.8   |
| 62.4   |
| 26.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |