

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: P956735

Luminaire Tested: **GLAN-SB9B-750-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-750-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41798 lumens  
Efficiency: N/A  
Efficacy: 126.9 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): 329.5  
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

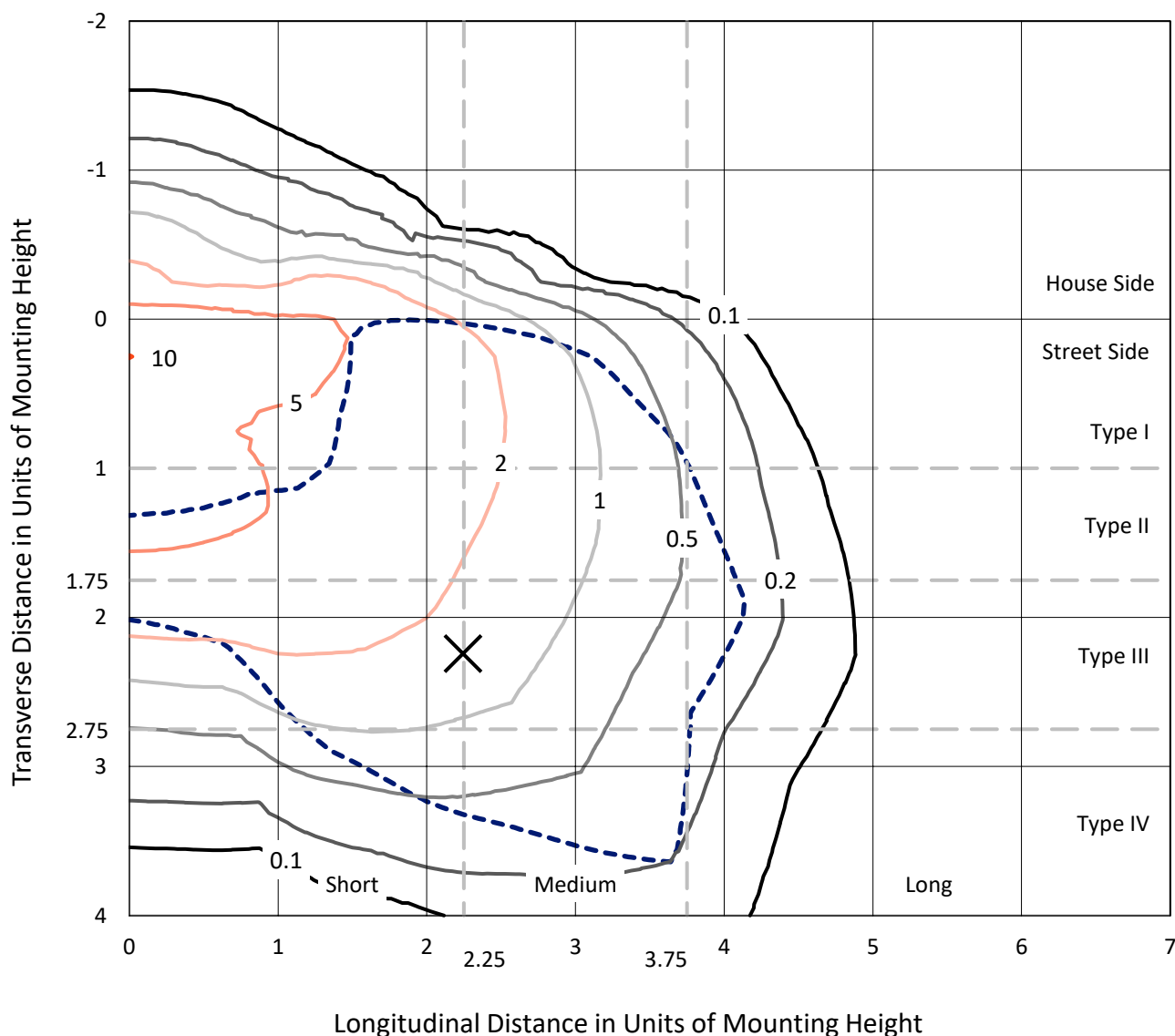


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## Iso-Footcandle Lines of Horizontal Illumination

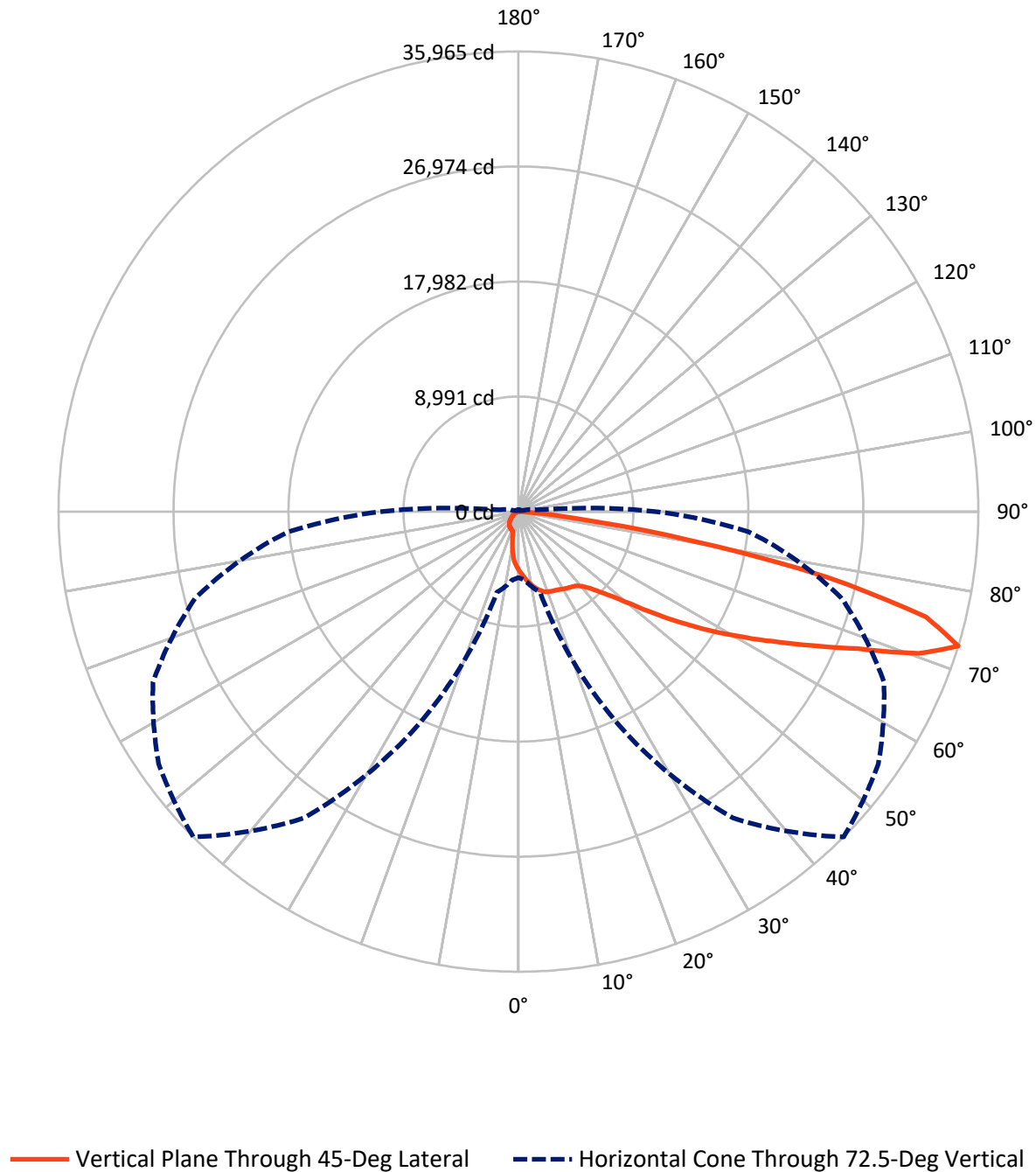
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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    | 4391.8   | 0.0    | 4391.8  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 37406.2  | 0.0    | 37406.2 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 41798.0  | 0.0    | 41798.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 431.4   | 1.0       |
| 10°-20°   | 1260.9  | 3.0       |
| 20°-30°   | 2070.6  | 5.0       |
| 30°-40°   | 2936.6  | 7.0       |
| 40°-50°   | 4853.9  | 11.6      |
| 50°-60°   | 8719.5  | 20.9      |
| 60°-70°   | 12107.6 | 29.0      |
| 70°-80°   | 8782.4  | 21.0      |
| 80°-90°   | 634.9   | 1.5       |
| 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°    | 41798.0 | 100.0     |
| 0°-180°   | 41798.0 | 100.0     |

**Coefficient of Utilization**



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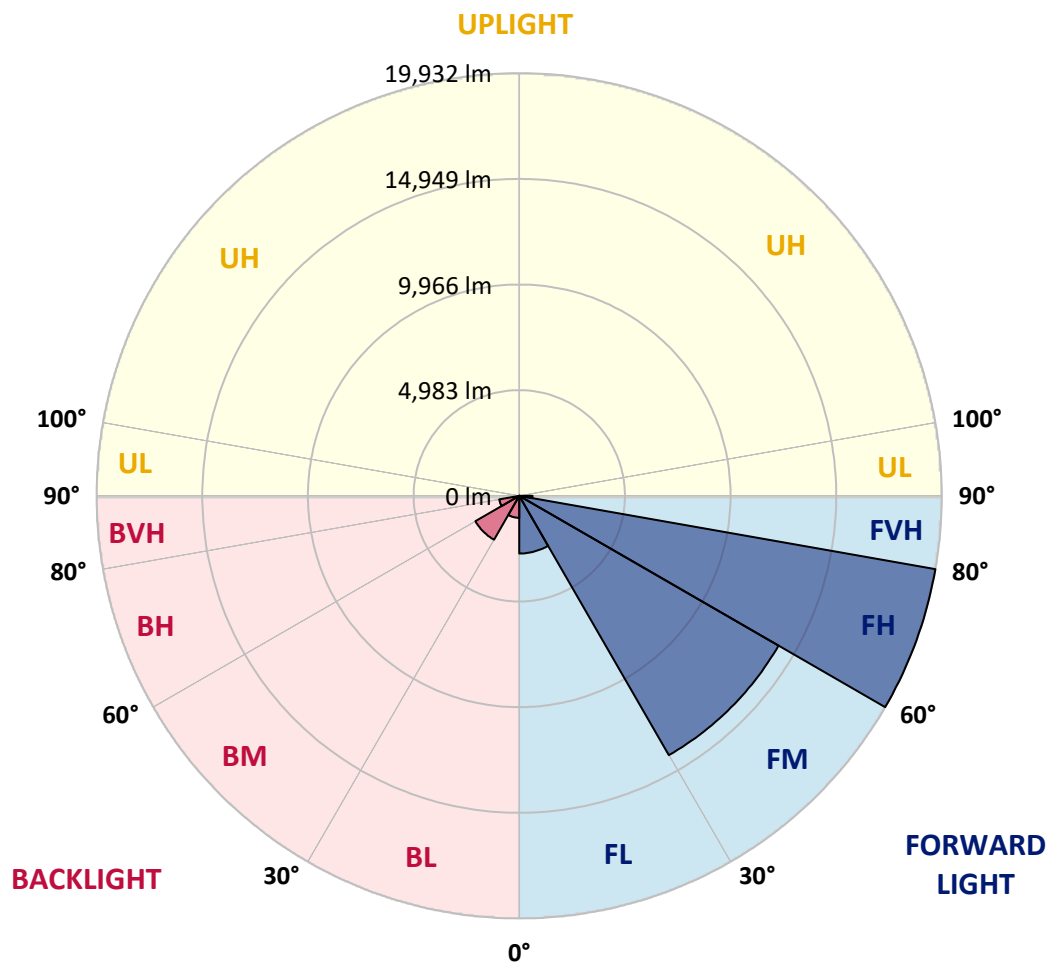
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2722.7  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 14121.6 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 19932.3 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 629.6   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1040.2  | 2.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2388.5  | 5.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 957.7   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.3     | 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°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  | 4579.1  |
| 2.5°  | 5001.3  | 5009.9  | 5004.2  | 4969.9  | 4912.9  | 4881.5  | 4864.4  | 4807.3  | 4770.2  | 4704.6  |
| 5°    | 5460.6  | 5494.9  | 5474.9  | 5406.4  | 5298.0  | 5221.0  | 5198.2  | 5081.2  | 4975.6  | 4852.9  |
| 7.5°  | 5948.5  | 5965.6  | 5928.5  | 5840.1  | 5694.6  | 5563.3  | 5543.4  | 5380.8  | 5212.4  | 5024.1  |
| 10°   | 6370.7  | 6390.7  | 6333.7  | 6205.3  | 6039.8  | 5877.2  | 5848.6  | 5668.9  | 5469.2  | 5238.1  |
| 12.5° | 6724.5  | 6744.5  | 6670.3  | 6516.2  | 6333.7  | 6165.3  | 6136.8  | 5948.5  | 5728.8  | 5472.0  |
| 15°   | 6992.7  | 7029.8  | 6929.9  | 6764.5  | 6567.6  | 6399.3  | 6385.0  | 6199.6  | 5985.6  | 5700.3  |
| 17.5° | 7149.6  | 7186.7  | 7092.5  | 6892.8  | 6724.5  | 6581.9  | 6564.7  | 6410.7  | 6211.0  | 5937.1  |
| 20°   | 7175.3  | 7209.5  | 7109.7  | 6935.6  | 6795.8  | 6681.7  | 6673.2  | 6561.9  | 6416.4  | 6153.9  |
| 22.5° | 7098.3  | 7141.1  | 7049.8  | 6910.0  | 6813.0  | 6753.0  | 6741.6  | 6678.9  | 6596.1  | 6373.6  |
| 25°   | 7018.4  | 7052.6  | 6984.1  | 6861.5  | 6810.1  | 6804.4  | 6813.0  | 6801.5  | 6784.4  | 6596.1  |
| 27.5° | 7012.7  | 7049.8  | 6972.7  | 6855.8  | 6827.2  | 6887.1  | 6895.7  | 6949.9  | 6964.2  | 6798.7  |
| 30°   | 7061.2  | 7086.8  | 7012.7  | 6890.0  | 6875.7  | 7012.7  | 7015.5  | 7112.5  | 7135.3  | 6969.9  |
| 32.5° | 7166.7  | 7195.3  | 7121.1  | 6941.3  | 6921.4  | 7112.5  | 7121.1  | 7249.5  | 7286.6  | 7152.5  |
| 35°   | 7414.9  | 7449.2  | 7363.6  | 7084.0  | 7012.7  | 7206.7  | 7232.3  | 7383.6  | 7457.7  | 7346.5  |
| 37.5° | 8034.0  | 7934.2  | 7817.2  | 7372.1  | 7220.9  | 7355.0  | 7397.8  | 7574.7  | 7705.9  | 7577.6  |
| 40°   | 9571.8  | 9258.0  | 8892.8  | 7862.9  | 7586.1  | 7671.7  | 7705.9  | 7882.8  | 8062.6  | 7937.0  |
| 42.5° | 11879.9 | 11509.0 | 10921.3 | 8992.6  | 8136.7  | 8179.5  | 8205.2  | 8359.3  | 8613.2  | 8513.3  |
| 45°   | 13936.9 | 13802.8 | 13203.7 | 10921.3 | 9166.7  | 8955.6  | 8986.9  | 9066.8  | 9440.6  | 9403.5  |
| 47.5° | 15517.4 | 15440.4 | 14978.2 | 13135.2 | 10907.0 | 9905.6  | 9994.0  | 10031.1 | 10570.4 | 10701.6 |
| 50°   | 16732.8 | 16704.3 | 16290.6 | 15103.8 | 13180.8 | 11306.4 | 11337.8 | 11257.9 | 12065.3 | 12390.6 |
| 52.5° | 17879.7 | 17976.7 | 17671.5 | 16932.5 | 15608.7 | 13140.9 | 13135.2 | 12758.6 | 13848.4 | 14339.2 |
| 55°   | 18915.4 | 18949.6 | 18981.0 | 18798.4 | 18050.9 | 15229.3 | 15175.1 | 14558.8 | 15916.9 | 16424.7 |
| 57.5° | 19888.2 | 19902.5 | 20182.1 | 20555.8 | 20592.9 | 17471.8 | 17371.9 | 16633.0 | 18176.4 | 18538.8 |
| 60°   | 20541.6 | 20607.2 | 21197.8 | 22236.3 | 22689.9 | 19785.5 | 19731.3 | 18978.1 | 20476.0 | 20644.3 |
| 62.5° | 19600.1 | 19999.5 | 21488.8 | 23548.6 | 24669.9 | 22350.4 | 22324.7 | 21617.2 | 22895.3 | 22758.4 |
| 65°   | 15865.5 | 16541.7 | 19160.7 | 24435.9 | 26612.8 | 25214.8 | 25251.9 | 24498.7 | 25380.3 | 24935.2 |
| 67.5° | 11098.2 | 11811.4 | 14909.8 | 24507.2 | 28783.9 | 28578.5 | 28792.4 | 27611.3 | 28019.3 | 27020.7 |
| 70°   | 7674.6  | 8042.6  | 10059.7 | 22972.3 | 30475.7 | 33211.7 | 33206.0 | 31434.3 | 30644.0 | 27970.8 |
| 72.5° | 5161.1  | 5352.2  | 6533.4  | 18224.9 | 29231.8 | 35964.9 | 35799.4 | 34355.8 | 31528.5 | 26159.1 |
| 75°   | 2176.8  | 2316.6  | 3024.2  | 10242.3 | 23126.4 | 32903.6 | 32455.7 | 30361.6 | 28013.6 | 20598.6 |
| 77.5° | 690.4   | 750.3   | 1192.6  | 3666.1  | 12738.6 | 24732.6 | 24259.0 | 18961.0 | 18775.6 | 10333.6 |
| 80°   | 328.1   | 382.3   | 670.5   | 1472.1  | 5012.7  | 13451.9 | 13386.3 | 8601.8  | 8076.8  | 2790.2  |
| 82.5° | 142.6   | 168.3   | 370.9   | 787.4   | 2242.5  | 4798.7  | 4895.7  | 2927.2  | 2422.2  | 1058.5  |
| 85°   | 45.6    | 59.9    | 171.2   | 362.3   | 947.2   | 1192.6  | 1178.3  | 696.1   | 975.7   | 576.3   |
| 87.5° | 0.0     | 0.0     | 57.1    | 82.7    | 97.0    | 68.5    | 77.0    | 59.9    | 271.0   | 159.8   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4579.1  | 0°    | 4579.1  | 4579.1  | 4579.1 | 4579.1 | 4579.1 | 4579.1 | 4579.1 | 4579.1 | 4579.1 | 4579.1 |
| 4636.1  | 2.5°  | 4601.9  | 4556.2  | 4476.4 | 4402.2 | 4336.6 | 4270.9 | 4231.0 | 4173.9 | 4168.2 | 4168.2 |
| 4710.3  | 5°    | 4633.3  | 4559.1  | 4416.4 | 4265.2 | 4091.2 | 3925.7 | 3760.2 | 3600.5 | 3549.1 | 3512.0 |
| 4830.1  | 7.5°  | 4724.6  | 4607.6  | 4382.2 | 4094.1 | 3763.1 | 3400.8 | 3146.9 | 2873.0 | 2767.4 | 2710.3 |
| 4989.9  | 10°   | 4855.8  | 4696.0  | 4353.7 | 3848.7 | 3312.3 | 2818.8 | 2456.4 | 2159.7 | 2045.6 | 1997.1 |
| 5163.9  | 12.5° | 5001.3  | 4804.4  | 4302.3 | 3543.4 | 2818.8 | 2228.2 | 1874.4 | 1737.5 | 1720.4 | 1720.4 |
| 5372.2  | 15°   | 5175.3  | 4935.7  | 4213.9 | 3183.9 | 2302.4 | 1763.2 | 1637.6 | 1643.3 | 1660.4 | 1671.9 |
| 5574.8  | 17.5° | 5355.1  | 5075.5  | 4074.1 | 2781.7 | 1845.9 | 1586.3 | 1589.1 | 1597.7 | 1611.9 | 1623.4 |
| 5794.4  | 20°   | 5549.1  | 5215.3  | 3888.6 | 2353.7 | 1583.4 | 1534.9 | 1543.5 | 1552.0 | 1563.4 | 1569.1 |
| 5999.9  | 22.5° | 5757.3  | 5346.5  | 3669.0 | 1934.3 | 1495.0 | 1492.1 | 1495.0 | 1503.5 | 1517.8 | 1517.8 |
| 6239.5  | 25°   | 5979.9  | 5492.0  | 3417.9 | 1629.1 | 1449.3 | 1449.3 | 1455.0 | 1460.7 | 1472.1 | 1472.1 |
| 6470.6  | 27.5° | 6208.1  | 5626.1  | 3152.6 | 1469.3 | 1409.4 | 1406.5 | 1406.5 | 1415.1 | 1420.8 | 1423.6 |
| 6698.8  | 30°   | 6459.2  | 5783.0  | 2887.2 | 1435.1 | 1378.0 | 1363.7 | 1355.2 | 1360.9 | 1366.6 | 1369.4 |
| 6938.5  | 32.5° | 6716.0  | 5934.2  | 2650.4 | 1449.3 | 1346.6 | 1320.9 | 1292.4 | 1286.7 | 1286.7 | 1298.1 |
| 7186.7  | 35°   | 7001.3  | 6099.7  | 2467.8 | 1497.8 | 1329.5 | 1258.2 | 1212.5 | 1186.8 | 1189.7 | 1206.8 |
| 7483.4  | 37.5° | 7343.6  | 6299.4  | 2333.8 | 1540.6 | 1318.1 | 1186.8 | 1112.7 | 1081.3 | 1061.3 | 1081.3 |
| 7891.4  | 40°   | 7791.5  | 6593.3  | 2236.7 | 1574.9 | 1303.8 | 1104.1 | 1004.3 | 952.9  | 915.8  | 927.2  |
| 8524.8  | 42.5° | 8450.6  | 7055.5  | 2199.7 | 1577.7 | 1272.4 | 1007.1 | 893.0  | 824.5  | 770.3  | 773.2  |
| 9477.7  | 45°   | 9374.9  | 7785.8  | 2390.8 | 1540.6 | 1204.0 | 901.5  | 776.0  | 684.7  | 650.5  | 641.9  |
| 10901.3 | 47.5° | 10641.7 | 8850.0  | 2833.0 | 1463.6 | 1104.1 | 798.8  | 661.9  | 584.9  | 559.2  | 544.9  |
| 12770.0 | 50°   | 12339.2 | 10216.6 | 3323.7 | 1378.0 | 1004.3 | 701.8  | 567.7  | 519.2  | 502.1  | 487.9  |
| 14986.8 | 52.5° | 14307.8 | 11603.1 | 3726.0 | 1292.4 | 904.4  | 616.2  | 507.8  | 479.3  | 465.0  | 453.6  |
| 17126.5 | 55°   | 16113.7 | 12558.9 | 3703.2 | 1201.1 | 807.4  | 547.8  | 465.0  | 447.9  | 430.8  | 419.4  |
| 18969.6 | 57.5° | 17237.8 | 12693.0 | 3052.7 | 1101.3 | 696.1  | 493.6  | 425.1  | 413.7  | 393.7  | 379.4  |
| 20564.4 | 60°   | 17754.2 | 11928.4 | 2139.7 | 970.0  | 584.9  | 442.2  | 382.3  | 376.6  | 350.9  | 330.9  |
| 22073.6 | 62.5° | 17848.3 | 10507.6 | 1426.5 | 807.4  | 487.9  | 393.7  | 339.5  | 330.9  | 296.7  | 262.5  |
| 23300.4 | 65°   | 17466.0 | 8476.3  | 987.1  | 630.5  | 416.5  | 342.4  | 291.0  | 273.9  | 236.8  | 202.6  |
| 23591.4 | 67.5° | 16256.4 | 5951.4  | 687.6  | 453.6  | 353.8  | 271.0  | 231.1  | 225.4  | 196.9  | 168.3  |
| 22107.9 | 70°   | 14039.6 | 3392.2  | 459.3  | 339.5  | 279.6  | 185.4  | 182.6  | 188.3  | 159.8  | 136.9  |
| 18062.3 | 72.5° | 10764.4 | 1552.0  | 285.3  | 248.2  | 191.2  | 125.5  | 145.5  | 148.4  | 122.7  | 102.7  |
| 11269.3 | 75°   | 6336.5  | 664.7   | 179.7  | 159.8  | 97.0   | 82.7   | 105.6  | 108.4  | 82.7   | 65.6   |
| 4119.7  | 77.5° | 2156.9  | 251.1   | 114.1  | 94.1   | 48.5   | 45.6   | 68.5   | 68.5   | 45.6   | 25.7   |
| 827.4   | 80°   | 490.7   | 94.1    | 57.1   | 37.1   | 22.8   | 20.0   | 22.8   | 20.0   | 11.4   | 2.9    |
| 253.9   | 82.5° | 139.8   | 37.1    | 22.8   | 14.3   | 8.6    | 8.6    | 2.9    | 0.0    | 0.0    | 0.0    |
| 88.4    | 85°   | 39.9    | 17.1    | 5.7    | 5.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 31.4    | 87.5° | 17.1    | 2.9     | 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°   |
|--------|
| 4579.1 |
| 4182.5 |
| 3529.2 |
| 2718.9 |
| 1997.1 |
| 1720.4 |
| 1671.9 |
| 1623.4 |
| 1572.0 |
| 1523.5 |
| 1475.0 |
| 1426.5 |
| 1375.1 |
| 1306.7 |
| 1215.4 |
| 1075.6 |
| 921.5  |
| 761.8  |
| 630.5  |
| 536.4  |
| 485.0  |
| 450.8  |
| 413.7  |
| 376.6  |
| 325.2  |
| 245.4  |
| 191.2  |
| 159.8  |
| 125.5  |
| 91.3   |
| 57.1   |
| 20.0   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |