

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: P956651

Luminaire Tested: **GLAN-SB9B-727-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956651  
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-727-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 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: 36645 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - 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



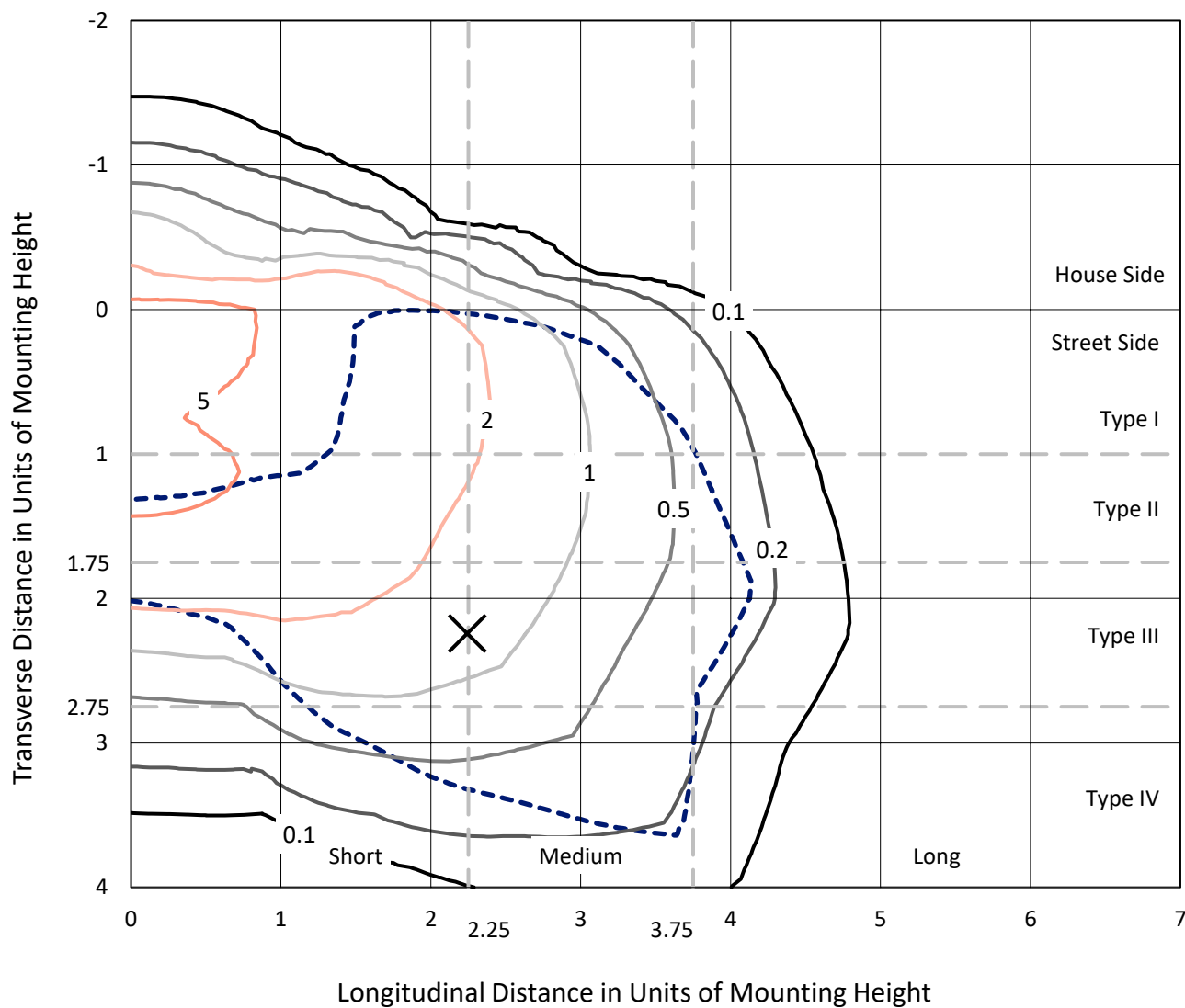
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

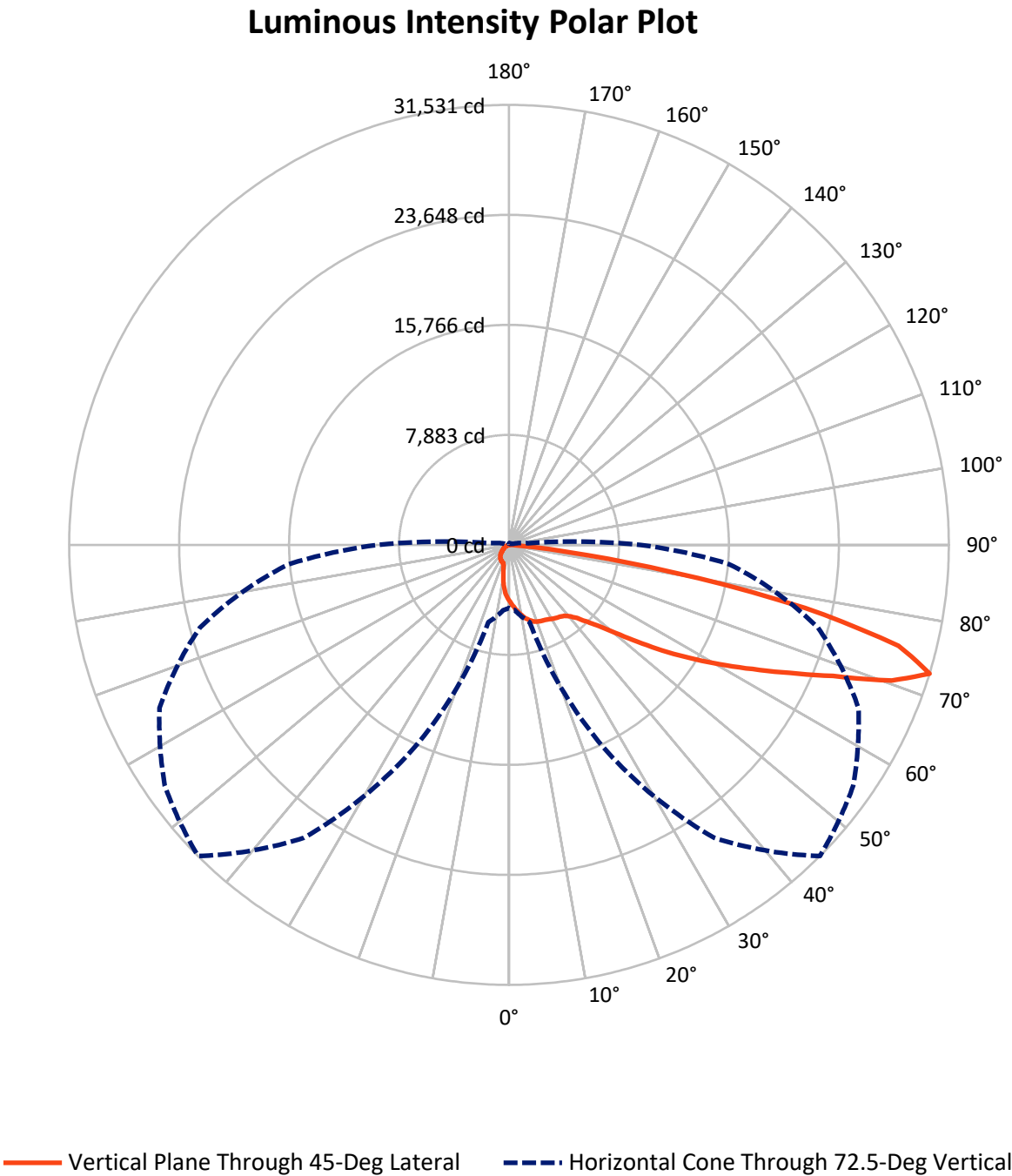
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc

Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3850.4   | 0.0    | 3850.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 32794.6  | 0.0    | 32794.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 36645.0  | 0.0    | 36645.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 378.2   | 1.0       |
| 10°-20°   | 1105.5  | 3.0       |
| 20°-30°   | 1815.3  | 5.0       |
| 30°-40°   | 2574.6  | 7.0       |
| 40°-50°   | 4255.5  | 11.6      |
| 50°-60°   | 7644.6  | 20.9      |
| 60°-70°   | 10614.9 | 29.0      |
| 70°-80°   | 7699.7  | 21.0      |
| 80°-90°   | 556.7   | 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°    | 36645.0 | 100.0     |
| 0°-180°   | 36645.0 | 100.0     |

**Coefficient of Utilization**



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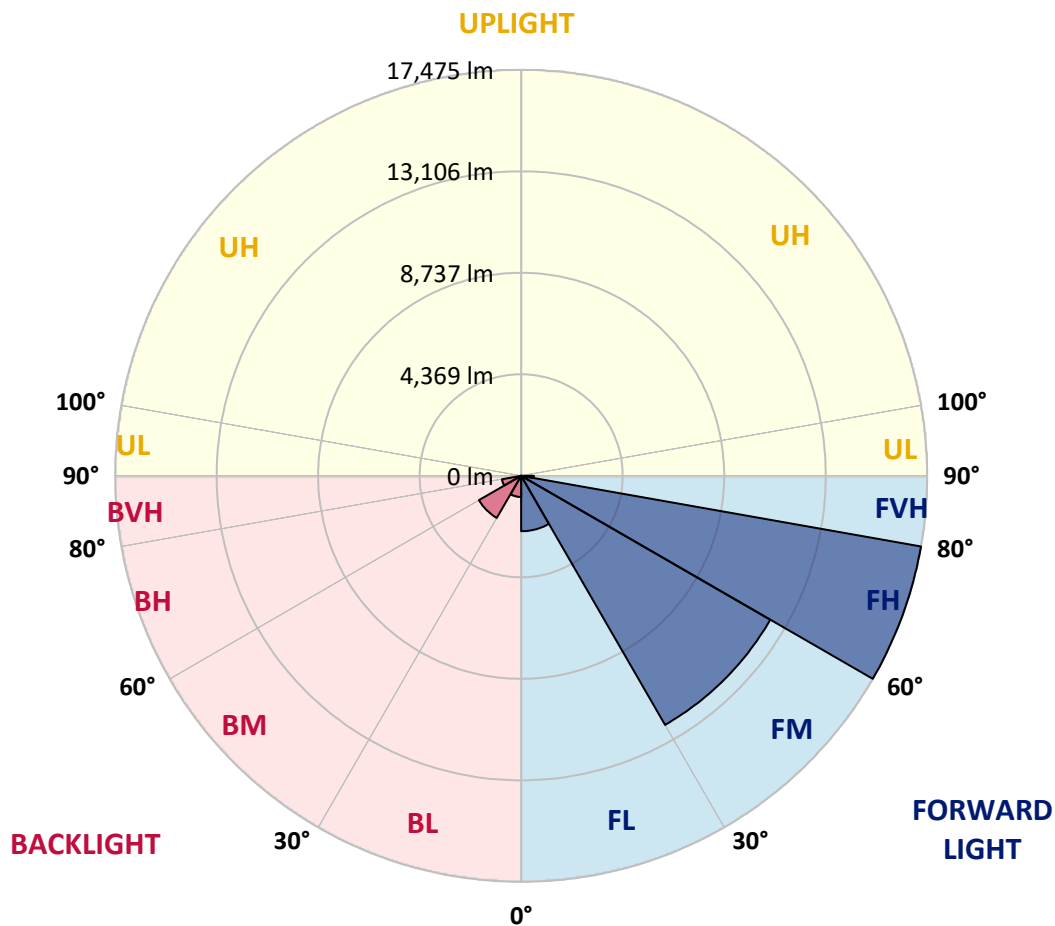
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2387.1  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 12380.6 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 17475.0 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 552.0   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 912.0   | 2.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2094.1  | 5.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 839.6   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 4.7     | 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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  | 4014.5  |
| 2.5°  | 4384.7  | 4392.2  | 4387.2  | 4357.2  | 4307.2  | 4279.7  | 4264.7  | 4214.6  | 4182.1  | 4124.6  |
| 5°    | 4787.4  | 4817.4  | 4799.9  | 4739.9  | 4644.9  | 4577.3  | 4557.3  | 4454.8  | 4362.2  | 4254.7  |
| 7.5°  | 5215.1  | 5230.2  | 5197.6  | 5120.1  | 4992.5  | 4877.5  | 4860.0  | 4717.4  | 4569.8  | 4404.7  |
| 10°   | 5585.3  | 5602.8  | 5552.8  | 5440.3  | 5295.2  | 5152.6  | 5127.6  | 4970.0  | 4794.9  | 4592.3  |
| 12.5° | 5895.5  | 5913.0  | 5848.0  | 5712.9  | 5552.8  | 5405.2  | 5380.2  | 5215.1  | 5022.5  | 4797.4  |
| 15°   | 6130.6  | 6163.1  | 6075.6  | 5930.5  | 5757.9  | 5610.3  | 5597.8  | 5435.3  | 5247.7  | 4997.5  |
| 17.5° | 6268.2  | 6300.7  | 6218.2  | 6043.1  | 5895.5  | 5770.4  | 5755.4  | 5620.4  | 5445.3  | 5205.1  |
| 20°   | 6290.7  | 6320.7  | 6233.2  | 6080.6  | 5958.0  | 5858.0  | 5850.5  | 5752.9  | 5625.4  | 5395.2  |
| 22.5° | 6223.2  | 6260.7  | 6180.6  | 6058.1  | 5973.0  | 5920.5  | 5910.5  | 5855.5  | 5782.9  | 5587.8  |
| 25°   | 6153.1  | 6183.1  | 6123.1  | 6015.6  | 5970.5  | 5965.5  | 5973.0  | 5963.0  | 5948.0  | 5782.9  |
| 27.5° | 6148.1  | 6180.6  | 6113.1  | 6010.6  | 5985.5  | 6038.1  | 6045.6  | 6093.1  | 6105.6  | 5960.5  |
| 30°   | 6190.6  | 6213.2  | 6148.1  | 6040.6  | 6028.1  | 6148.1  | 6150.6  | 6235.7  | 6255.7  | 6110.6  |
| 32.5° | 6283.2  | 6308.2  | 6243.2  | 6085.6  | 6068.1  | 6235.7  | 6243.2  | 6355.7  | 6388.2  | 6270.7  |
| 35°   | 6500.8  | 6530.8  | 6455.8  | 6210.7  | 6148.1  | 6318.2  | 6340.7  | 6473.3  | 6538.3  | 6440.8  |
| 37.5° | 7043.6  | 6956.0  | 6853.5  | 6463.3  | 6330.7  | 6448.3  | 6485.8  | 6640.9  | 6755.9  | 6643.4  |
| 40°   | 8391.8  | 8116.6  | 7796.5  | 6893.5  | 6650.9  | 6725.9  | 6755.9  | 6911.0  | 7068.6  | 6958.5  |
| 42.5° | 10415.3 | 10090.1 | 9574.9  | 7884.0  | 7133.6  | 7171.1  | 7193.7  | 7328.7  | 7551.3  | 7463.8  |
| 45°   | 12218.7 | 12101.1 | 11575.9 | 9574.9  | 8036.6  | 7851.5  | 7879.0  | 7949.0  | 8276.7  | 8244.2  |
| 47.5° | 13604.4 | 13536.9 | 13131.7 | 11515.8 | 9562.4  | 8684.4  | 8761.9  | 8794.5  | 9267.2  | 9382.3  |
| 50°   | 14669.9 | 14644.9 | 14282.2 | 13241.7 | 11555.9 | 9912.5  | 9940.0  | 9870.0  | 10577.9 | 10863.0 |
| 52.5° | 15675.5 | 15760.5 | 15492.9 | 14845.0 | 13684.4 | 11520.8 | 11515.8 | 11185.7 | 12141.2 | 12571.4 |
| 55°   | 16583.4 | 16613.4 | 16640.9 | 16480.9 | 15825.5 | 13351.8 | 13304.3 | 12764.0 | 13954.6 | 14399.8 |
| 57.5° | 17436.4 | 17448.9 | 17694.0 | 18021.6 | 18054.2 | 15317.8 | 15230.2 | 14582.4 | 15935.6 | 16253.2 |
| 60°   | 18009.1 | 18066.7 | 18584.4 | 19494.9 | 19892.6 | 17346.3 | 17298.8 | 16638.4 | 17951.6 | 18099.2 |
| 62.5° | 17183.7 | 17533.9 | 18839.6 | 20645.5 | 21628.5 | 19594.9 | 19572.4 | 18952.1 | 20072.7 | 19952.6 |
| 65°   | 13909.6 | 14502.4 | 16798.5 | 21423.4 | 23331.8 | 22106.2 | 22138.7 | 21478.4 | 22251.3 | 21861.1 |
| 67.5° | 9729.9  | 10355.3 | 13071.6 | 21485.9 | 25235.3 | 25055.2 | 25242.8 | 24207.3 | 24565.0 | 23689.5 |
| 70°   | 6728.4  | 7051.1  | 8819.5  | 20140.2 | 26718.6 | 29117.3 | 29112.3 | 27559.0 | 26866.1 | 24522.4 |
| 72.5° | 4524.8  | 4692.4  | 5727.9  | 15978.1 | 25628.0 | 31531.0 | 31385.9 | 30120.3 | 27641.5 | 22934.1 |
| 75°   | 1908.5  | 2031.0  | 2651.3  | 8979.6  | 20275.3 | 28847.1 | 28454.4 | 26618.5 | 24560.0 | 18059.2 |
| 77.5° | 605.3   | 657.8   | 1045.5  | 3214.1  | 11168.2 | 21683.5 | 21268.3 | 16623.4 | 16460.9 | 9059.6  |
| 80°   | 287.6   | 335.2   | 587.8   | 1290.7  | 4394.7  | 11793.5 | 11736.0 | 7541.3  | 7081.1  | 2446.2  |
| 82.5° | 125.1   | 147.6   | 325.2   | 690.4   | 1966.0  | 4207.1  | 4292.2  | 2566.3  | 2123.6  | 928.0   |
| 85°   | 40.0    | 52.5    | 150.1   | 317.7   | 830.4   | 1045.5  | 1033.0  | 610.3   | 855.4   | 505.3   |
| 87.5° | 0.0     | 0.0     | 50.0    | 72.5    | 85.0    | 60.0    | 67.5    | 52.5    | 237.6   | 140.1   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4014.5  | 0°    | 4014.5  | 4014.5  | 4014.5 | 4014.5 | 4014.5 | 4014.5 | 4014.5 | 4014.5 | 4014.5 | 4014.5 |
| 4064.6  | 2.5°  | 4034.5  | 3994.5  | 3924.5 | 3859.5 | 3801.9 | 3744.4 | 3709.4 | 3659.4 | 3654.4 | 3654.4 |
| 4129.6  | 5°    | 4062.1  | 3997.0  | 3872.0 | 3739.4 | 3586.8 | 3441.7 | 3296.7 | 3156.6 | 3111.6 | 3079.1 |
| 4234.6  | 7.5°  | 4142.1  | 4039.6  | 3842.0 | 3589.3 | 3299.2 | 2981.5 | 2758.9 | 2518.8 | 2426.2 | 2376.2 |
| 4374.7  | 10°   | 4257.2  | 4117.1  | 3816.9 | 3374.2 | 2904.0 | 2471.3 | 2153.6 | 1893.5 | 1793.4 | 1750.9 |
| 4527.3  | 12.5° | 4384.7  | 4212.1  | 3771.9 | 3106.6 | 2471.3 | 1953.5 | 1643.3 | 1523.3 | 1508.3 | 1508.3 |
| 4709.9  | 15°   | 4537.3  | 4327.2  | 3694.4 | 2791.4 | 2018.5 | 1545.8 | 1435.7 | 1440.7 | 1455.7 | 1465.7 |
| 4887.5  | 17.5° | 4694.9  | 4449.8  | 3571.8 | 2438.7 | 1618.3 | 1390.7 | 1393.2 | 1400.7 | 1413.2 | 1423.2 |
| 5080.1  | 20°   | 4865.0  | 4572.3  | 3409.2 | 2063.5 | 1388.2 | 1345.7 | 1353.2 | 1360.7 | 1370.7 | 1375.7 |
| 5260.2  | 22.5° | 5047.6  | 4687.4  | 3216.6 | 1695.9 | 1310.7 | 1308.2 | 1310.7 | 1318.2 | 1330.7 | 1330.7 |
| 5470.3  | 25°   | 5242.7  | 4814.9  | 2996.5 | 1428.2 | 1270.6 | 1270.6 | 1275.6 | 1280.7 | 1290.7 | 1290.7 |
| 5672.9  | 27.5° | 5442.8  | 4932.5  | 2763.9 | 1288.2 | 1235.6 | 1233.1 | 1233.1 | 1240.6 | 1245.6 | 1248.1 |
| 5873.0  | 30°   | 5662.9  | 5070.1  | 2531.3 | 1258.1 | 1208.1 | 1195.6 | 1188.1 | 1193.1 | 1198.1 | 1200.6 |
| 6083.1  | 32.5° | 5888.0  | 5202.6  | 2323.7 | 1270.6 | 1180.6 | 1158.1 | 1133.1 | 1128.1 | 1128.1 | 1138.1 |
| 6300.7  | 35°   | 6138.1  | 5347.7  | 2163.6 | 1313.2 | 1165.6 | 1103.1 | 1063.0 | 1040.5 | 1043.0 | 1058.0 |
| 6560.8  | 37.5° | 6438.3  | 5522.8  | 2046.0 | 1350.7 | 1155.6 | 1040.5 | 975.5  | 948.0  | 930.5  | 948.0  |
| 6918.5  | 40°   | 6831.0  | 5780.4  | 1961.0 | 1380.7 | 1143.1 | 968.0  | 880.4  | 835.4  | 802.9  | 812.9  |
| 7473.8  | 42.5° | 7408.8  | 6185.6  | 1928.5 | 1383.2 | 1115.6 | 882.9  | 782.9  | 722.9  | 675.3  | 677.8  |
| 8309.2  | 45°   | 8219.2  | 6826.0  | 2096.1 | 1350.7 | 1055.5 | 790.4  | 680.3  | 600.3  | 570.3  | 562.8  |
| 9557.4  | 47.5° | 9329.7  | 7758.9  | 2483.8 | 1283.2 | 968.0  | 700.4  | 580.3  | 512.8  | 490.2  | 477.7  |
| 11195.7 | 50°   | 10818.0 | 8957.0  | 2914.0 | 1208.1 | 880.4  | 615.3  | 497.8  | 455.2  | 440.2  | 427.7  |
| 13139.2 | 52.5° | 12543.9 | 10172.7 | 3266.7 | 1133.1 | 792.9  | 540.3  | 445.2  | 420.2  | 407.7  | 397.7  |
| 15015.1 | 55°   | 14127.2 | 11010.6 | 3246.6 | 1053.0 | 707.9  | 480.2  | 407.7  | 392.7  | 377.7  | 367.7  |
| 16630.9 | 57.5° | 15112.7 | 11128.1 | 2676.4 | 965.5  | 610.3  | 432.7  | 372.7  | 362.7  | 345.2  | 332.7  |
| 18029.2 | 60°   | 15565.4 | 10457.8 | 1876.0 | 850.4  | 512.8  | 387.7  | 335.2  | 330.2  | 307.7  | 290.1  |
| 19352.3 | 62.5° | 15647.9 | 9212.2  | 1250.6 | 707.9  | 427.7  | 345.2  | 297.7  | 290.1  | 260.1  | 230.1  |
| 20427.9 | 65°   | 15312.8 | 7431.3  | 865.4  | 552.8  | 365.2  | 300.2  | 255.1  | 240.1  | 207.6  | 177.6  |
| 20683.0 | 67.5° | 14252.2 | 5217.6  | 602.8  | 397.7  | 310.2  | 237.6  | 202.6  | 197.6  | 172.6  | 147.6  |
| 19382.3 | 70°   | 12308.7 | 2974.0  | 402.7  | 297.7  | 245.1  | 162.6  | 160.1  | 165.1  | 140.1  | 120.1  |
| 15835.5 | 72.5° | 9437.3  | 1360.7  | 250.1  | 217.6  | 167.6  | 110.1  | 127.6  | 130.1  | 107.6  | 90.0   |
| 9880.0  | 75°   | 5555.3  | 582.8   | 157.6  | 140.1  | 85.0   | 72.5   | 92.5   | 95.0   | 72.5   | 57.5   |
| 3611.8  | 77.5° | 1891.0  | 220.1   | 100.1  | 82.5   | 42.5   | 40.0   | 60.0   | 60.0   | 40.0   | 22.5   |
| 725.4   | 80°   | 430.2   | 82.5    | 50.0   | 32.5   | 20.0   | 17.5   | 20.0   | 17.5   | 10.0   | 2.5    |
| 222.6   | 82.5° | 122.6   | 32.5    | 20.0   | 12.5   | 7.5    | 7.5    | 2.5    | 0.0    | 0.0    | 0.0    |
| 77.5    | 85°   | 35.0    | 15.0    | 5.0    | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 27.5    | 87.5° | 15.0    | 2.5     | 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°   |
|--------|
| 4014.5 |
| 3666.9 |
| 3094.1 |
| 2383.7 |
| 1750.9 |
| 1508.3 |
| 1465.7 |
| 1423.2 |
| 1378.2 |
| 1335.7 |
| 1293.2 |
| 1250.6 |
| 1205.6 |
| 1145.6 |
| 1065.5 |
| 943.0  |
| 807.9  |
| 667.8  |
| 552.8  |
| 470.2  |
| 425.2  |
| 395.2  |
| 362.7  |
| 330.2  |
| 285.1  |
| 215.1  |
| 167.6  |
| 140.1  |
| 110.1  |
| 80.0   |
| 50.0   |
| 17.5   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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