

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: P950151

Luminaire Tested: **GLAN-SB4C-940-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-940-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21257 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

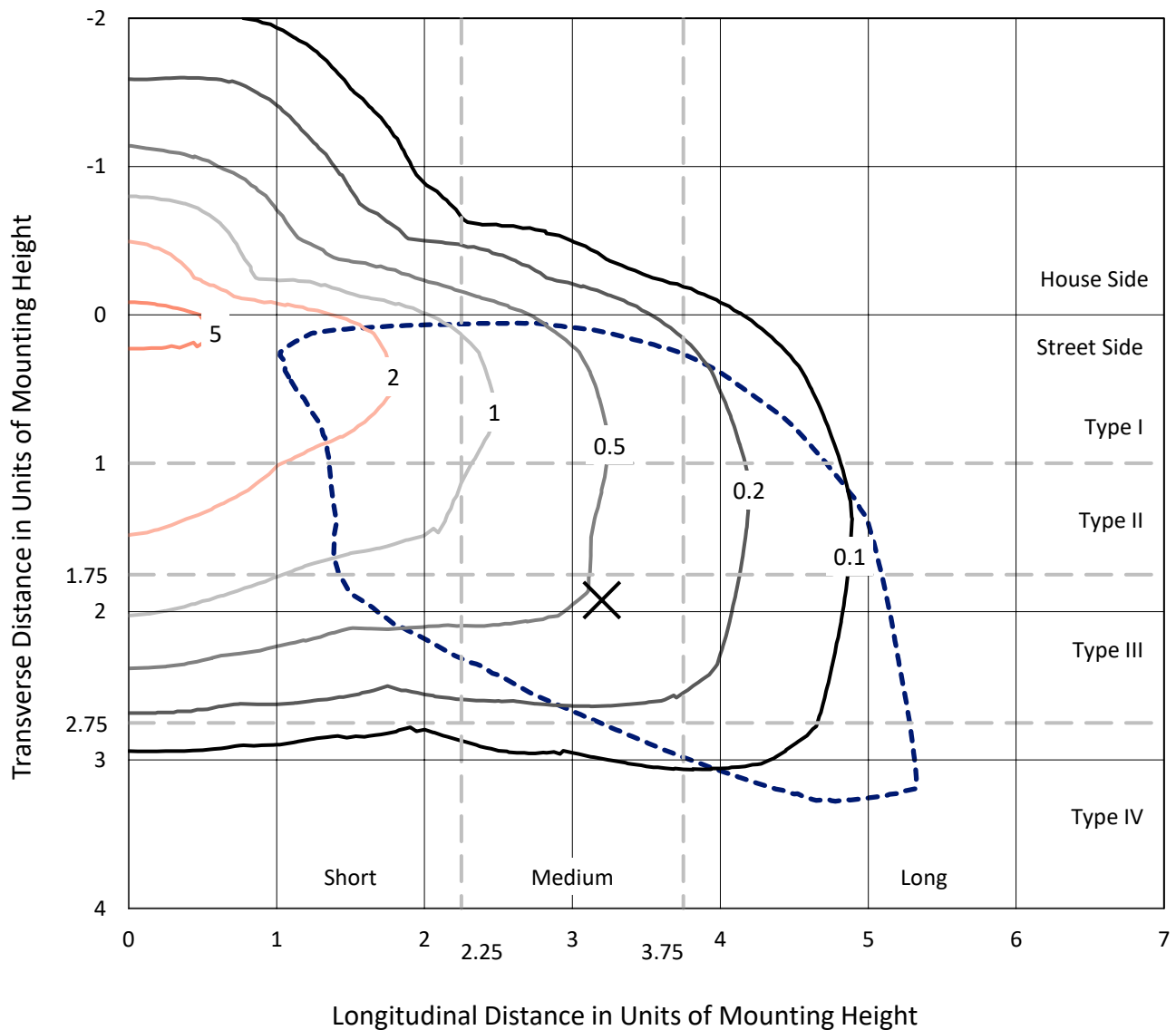
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

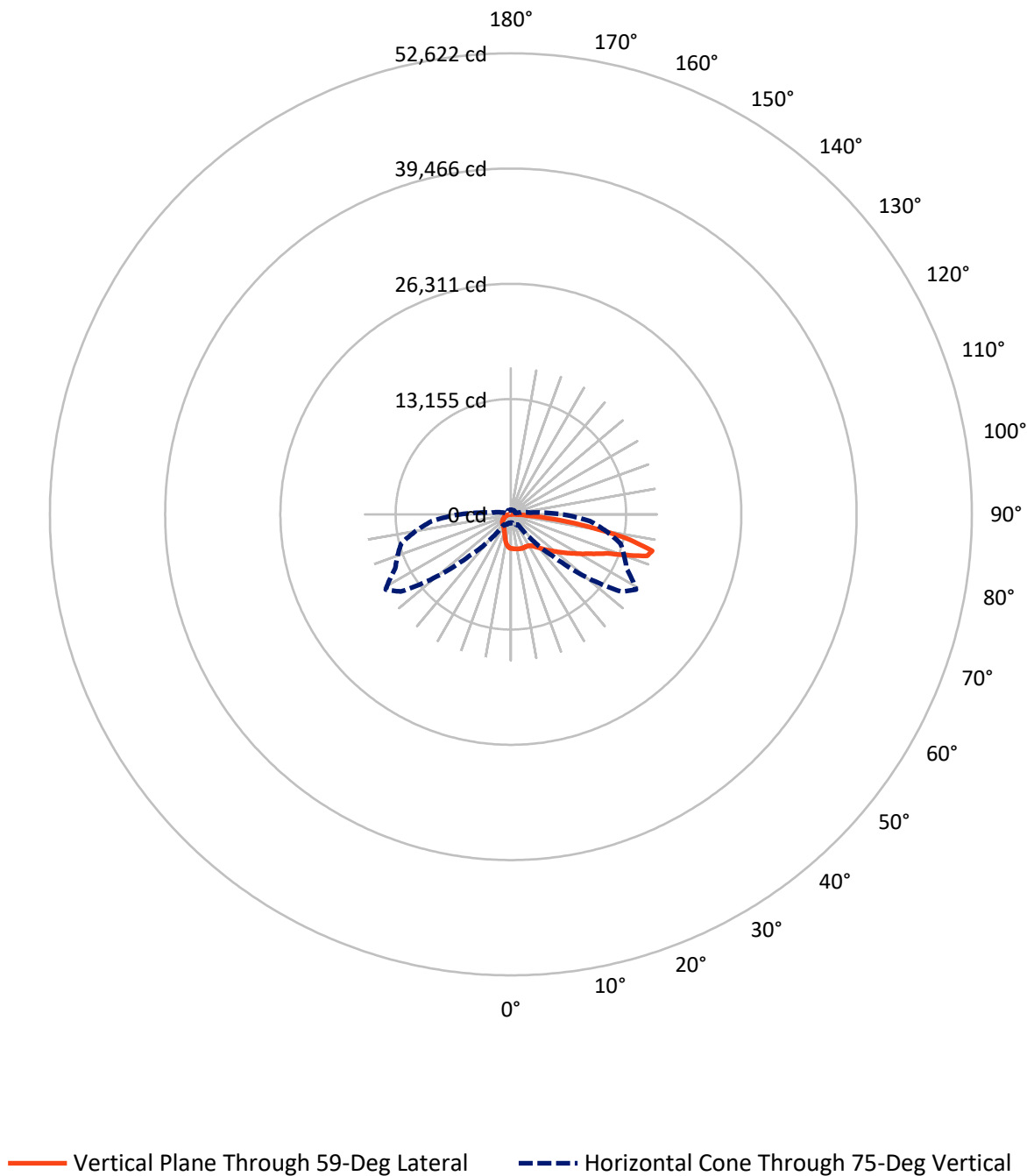
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
Type IV - 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    | 3986.9   | 0.0    | 3986.9  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 17270.1  | 0.0    | 17270.1 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 21257.0  | 0.0    | 21257.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 349.8   | 1.6       |
| 10°-20°   | 894.2   | 4.2       |
| 20°-30°   | 1358.3  | 6.4       |
| 30°-40°   | 2019.0  | 9.5       |
| 40°-50°   | 3002.7  | 14.1      |
| 50°-60°   | 4075.7  | 19.2      |
| 60°-70°   | 4975.8  | 23.4      |
| 70°-80°   | 3905.0  | 18.4      |
| 80°-90°   | 676.4   | 3.2       |
| 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°    | 21257.0 | 100.0     |
| 0°-180°   | 21257.0 | 100.0     |

**Coefficient of Utilization**



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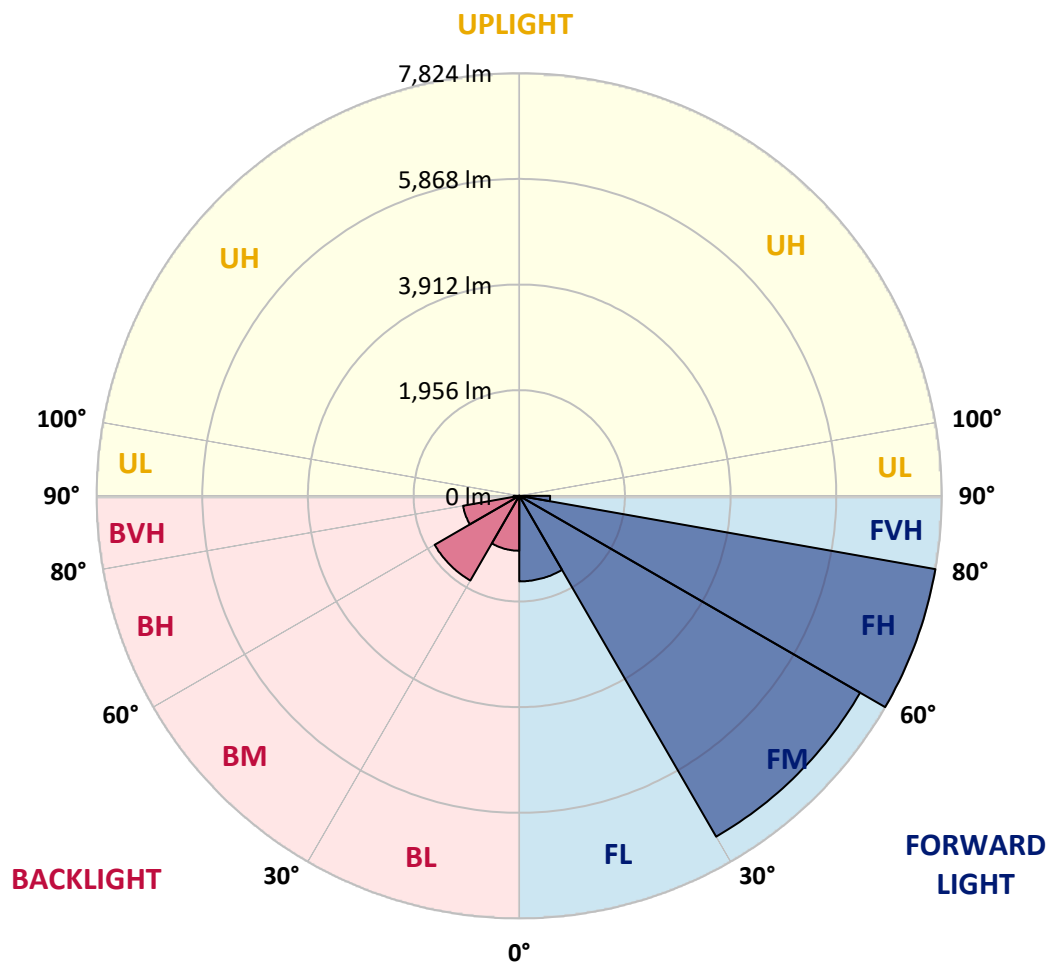
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1584.9 | 7.5       |                         |      |          |
| FM   | (30°-60°)   | 7287.8 | 34.3      |                         |      |          |
| FH   | (60°-80°)   | 7824.5 | 36.8      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 572.9  | 2.7       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1017.4 | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 1809.6 | 8.5       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1056.3 | 5.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 103.5  | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7  | 3901.7  | 3901.7  | 3901.7  | 3901.7  |
| 2.5°  | 3934.8 | 3921.1 | 3934.8 | 3929.1 | 3926.8 | 3922.3  | 3923.4  | 3931.4  | 3926.8  | 3932.5  |
| 5°    | 3908.5 | 3900.5 | 3914.3 | 3910.8 | 3925.7 | 3928.0  | 3942.8  | 3952.0  | 3957.7  | 3958.9  |
| 7.5°  | 3865.1 | 3857.1 | 3876.5 | 3892.5 | 3924.5 | 3933.7  | 3964.6  | 3979.4  | 3987.4  | 4001.2  |
| 10°   | 3706.1 | 3702.7 | 3750.7 | 3811.3 | 3886.8 | 3933.7  | 3980.6  | 4005.7  | 4018.3  | 4054.9  |
| 12.5° | 3424.8 | 3429.4 | 3492.3 | 3608.9 | 3759.9 | 3910.8  | 3998.9  | 4035.5  | 4054.9  | 4100.6  |
| 15°   | 3156.1 | 3155.0 | 3223.6 | 3348.2 | 3559.8 | 3810.2  | 4008.0  | 4070.9  | 4104.1  | 4171.5  |
| 17.5° | 3000.6 | 2996.0 | 3044.0 | 3139.0 | 3335.6 | 3655.8  | 3985.2  | 4090.4  | 4161.3  | 4245.9  |
| 20°   | 2972.0 | 2962.8 | 2988.0 | 3034.9 | 3174.4 | 3486.6  | 3925.7  | 4090.4  | 4207.0  | 4316.8  |
| 22.5° | 3076.1 | 3061.2 | 3050.9 | 3045.2 | 3106.9 | 3347.1  | 3858.2  | 4076.6  | 4274.5  | 4418.5  |
| 25°   | 3285.3 | 3262.4 | 3209.8 | 3158.4 | 3140.1 | 3284.2  | 3798.8  | 4073.2  | 4375.1  | 4555.8  |
| 27.5° | 3623.8 | 3595.2 | 3488.9 | 3365.4 | 3254.4 | 3316.2  | 3772.5  | 4093.8  | 4486.0  | 4701.0  |
| 30°   | 4043.5 | 4012.6 | 3878.8 | 3689.0 | 3490.0 | 3435.1  | 3805.6  | 4154.4  | 4627.8  | 4894.2  |
| 32.5° | 4419.7 | 4385.4 | 4271.0 | 4077.8 | 3809.1 | 3641.0  | 3910.8  | 4269.9  | 4850.8  | 5163.0  |
| 35°   | 4753.6 | 4713.6 | 4610.7 | 4432.3 | 4200.1 | 3930.3  | 4100.6  | 4474.6  | 5167.5  | 5599.8  |
| 37.5° | 5080.6 | 5033.8 | 4921.7 | 4733.0 | 4570.6 | 4315.6  | 4362.5  | 4737.6  | 5588.4  | 6130.4  |
| 40°   | 5446.6 | 5379.1 | 5243.0 | 5056.6 | 4898.8 | 4767.3  | 4706.7  | 5060.1  | 6016.0  | 6722.7  |
| 42.5° | 5801.1 | 5737.0 | 5574.6 | 5415.7 | 5217.9 | 5180.1  | 5105.8  | 5437.4  | 6483.7  | 7373.4  |
| 45°   | 6183.0 | 6106.4 | 5909.7 | 5708.4 | 5583.8 | 5454.6  | 5492.3  | 5814.8  | 6942.3  | 8036.6  |
| 47.5° | 6540.9 | 6455.1 | 6223.0 | 5998.9 | 5930.3 | 5685.6  | 5846.8  | 6229.9  | 7419.1  | 8709.0  |
| 50°   | 6734.2 | 6649.5 | 6456.3 | 6253.9 | 6200.1 | 5970.3  | 6231.0  | 6686.1  | 7918.8  | 9379.1  |
| 52.5° | 6895.4 | 6803.9 | 6551.2 | 6439.1 | 6423.1 | 6280.2  | 6704.4  | 7207.6  | 8418.6  | 9971.5  |
| 55°   | 7066.9 | 6965.2 | 6642.7 | 6542.1 | 6615.2 | 6627.8  | 7265.9  | 7798.8  | 8946.9  | 10548.9 |
| 57.5° | 7264.8 | 7135.5 | 6730.7 | 6629.0 | 6802.8 | 7034.9  | 7910.8  | 8411.7  | 9466.0  | 11084.1 |
| 60°   | 7451.1 | 7320.8 | 6900.0 | 6767.3 | 7005.2 | 7507.2  | 8650.7  | 9153.8  | 10053.8 | 11560.9 |
| 62.5° | 7487.7 | 7380.2 | 7034.9 | 7033.8 | 7279.6 | 8058.4  | 9526.6  | 9902.8  | 10567.2 | 12032.1 |
| 65°   | 6854.2 | 6786.8 | 6582.1 | 7023.5 | 7673.0 | 8852.0  | 10502.0 | 10861.1 | 11220.2 | 12443.7 |
| 67.5° | 5216.7 | 5225.9 | 5211.0 | 6062.9 | 7355.1 | 9992.0  | 11914.3 | 11886.8 | 12026.4 | 12905.7 |
| 70°   | 2385.4 | 2439.1 | 2789.0 | 4185.3 | 5892.5 | 10123.5 | 14249.3 | 13893.7 | 13038.4 | 13503.8 |
| 72.5° | 1288.7 | 1329.9 | 1472.8 | 2027.5 | 3542.6 | 9000.6  | 15994.4 | 16247.1 | 14384.3 | 13906.3 |
| 75°   | 945.7  | 968.6  | 1068.0 | 1288.7 | 1487.7 | 6689.6  | 15368.8 | 16665.6 | 14552.4 | 12967.5 |
| 77.5° | 707.8  | 718.1  | 799.3  | 1021.2 | 761.6  | 3526.6  | 12280.2 | 13802.2 | 12457.5 | 10654.1 |
| 80°   | 513.4  | 524.9  | 585.5  | 766.2  | 534.0  | 1289.9  | 8432.3  | 9687.9  | 8531.8  | 6791.3  |
| 82.5° | 354.5  | 359.1  | 385.4  | 521.4  | 372.8  | 500.9   | 4784.5  | 5681.0  | 4762.7  | 2383.1  |
| 85°   | 213.8  | 219.6  | 231.0  | 304.2  | 211.6  | 237.9   | 2065.2  | 2136.1  | 1423.7  | 569.5   |
| 87.5° | 88.1   | 93.8   | 102.9  | 128.1  | 83.5   | 66.3    | 340.8   | 427.7   | 266.4   | 167.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3901.7  | 0°    | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 |
| 3913.1  | 2.5°  | 3907.4 | 3899.4 | 3877.7 | 3847.9 | 3820.5 | 3786.2 | 3771.3 | 3758.7 | 3747.3 | 3725.6 |
| 3944.0  | 5°    | 3931.4 | 3909.7 | 3851.4 | 3775.9 | 3690.1 | 3596.4 | 3504.9 | 3442.0 | 3388.2 | 3348.2 |
| 3979.4  | 7.5°  | 3968.0 | 3926.8 | 3820.5 | 3666.1 | 3469.4 | 3268.2 | 3086.3 | 2957.1 | 2859.9 | 2824.5 |
| 4029.7  | 10°   | 4005.7 | 3956.6 | 3771.3 | 3499.2 | 3159.5 | 2849.6 | 2608.4 | 2475.7 | 2398.0 | 2372.8 |
| 4089.2  | 12.5° | 4050.3 | 3978.3 | 3694.7 | 3267.0 | 2813.0 | 2473.4 | 2263.0 | 2185.3 | 2145.2 | 2131.5 |
| 4162.4  | 15°   | 4115.5 | 3996.6 | 3579.2 | 2976.6 | 2482.6 | 2199.0 | 2062.9 | 2009.2 | 1988.6 | 1987.4 |
| 4237.9  | 17.5° | 4164.7 | 4000.0 | 3399.7 | 2665.5 | 2228.7 | 2033.2 | 1921.1 | 1900.5 | 1914.2 | 1934.8 |
| 4312.2  | 20°   | 4219.6 | 3969.1 | 3164.1 | 2381.9 | 2050.3 | 1887.9 | 1841.1 | 1854.8 | 1887.9 | 1917.7 |
| 4410.5  | 22.5° | 4258.5 | 3913.1 | 2879.4 | 2161.2 | 1895.9 | 1804.5 | 1802.2 | 1830.8 | 1849.1 | 1863.9 |
| 4526.0  | 25°   | 4292.8 | 3818.2 | 2577.5 | 1976.0 | 1769.0 | 1754.2 | 1779.3 | 1770.2 | 1757.6 | 1770.2 |
| 4641.5  | 27.5° | 4317.9 | 3668.4 | 2307.6 | 1813.6 | 1679.8 | 1719.8 | 1705.0 | 1684.4 | 1683.3 | 1690.1 |
| 4777.6  | 30°   | 4309.9 | 3468.3 | 2085.8 | 1659.2 | 1616.9 | 1655.8 | 1620.4 | 1616.9 | 1613.5 | 1616.9 |
| 4982.3  | 32.5° | 4309.9 | 3240.7 | 1915.4 | 1552.9 | 1576.9 | 1562.0 | 1558.6 | 1550.6 | 1536.9 | 1535.7 |
| 5260.2  | 35°   | 4333.9 | 3013.2 | 1769.0 | 1495.7 | 1543.7 | 1508.3 | 1510.6 | 1491.1 | 1462.6 | 1448.8 |
| 5628.4  | 37.5° | 4383.1 | 2830.2 | 1623.8 | 1468.3 | 1485.4 | 1484.3 | 1475.1 | 1442.0 | 1391.7 | 1348.2 |
| 6088.1  | 40°   | 4502.0 | 2776.5 | 1524.3 | 1455.7 | 1458.0 | 1471.7 | 1447.7 | 1383.7 | 1269.3 | 1198.4 |
| 6554.6  | 42.5° | 4688.4 | 2866.8 | 1502.6 | 1424.8 | 1439.7 | 1453.4 | 1406.5 | 1257.9 | 1176.7 | 1134.4 |
| 7044.1  | 45°   | 4925.1 | 3024.6 | 1549.5 | 1380.2 | 1396.2 | 1420.2 | 1280.7 | 1209.8 | 1173.2 | 1174.4 |
| 7528.9  | 47.5° | 5224.7 | 3190.4 | 1636.4 | 1341.3 | 1333.3 | 1347.1 | 1197.3 | 1153.8 | 1103.5 | 1116.1 |
| 7994.3  | 50°   | 5571.2 | 3358.5 | 1718.7 | 1288.7 | 1263.6 | 1219.0 | 1143.5 | 1102.3 | 1038.3 | 1008.6 |
| 8443.7  | 52.5° | 5946.3 | 3520.9 | 1751.9 | 1224.7 | 1188.1 | 1136.7 | 1106.9 | 1056.6 | 978.8  | 929.7  |
| 8868.0  | 55°   | 6301.9 | 3668.4 | 1715.3 | 1148.1 | 1112.6 | 1072.6 | 1068.0 | 1037.2 | 953.7  | 885.1  |
| 9245.3  | 57.5° | 6638.1 | 3791.9 | 1623.8 | 1070.3 | 1036.0 | 1012.0 | 1042.9 | 1028.0 | 922.8  | 834.8  |
| 9602.1  | 60°   | 6922.8 | 3876.5 | 1491.1 | 991.4  | 967.4  | 954.8  | 1001.7 | 997.1  | 879.4  | 781.0  |
| 9922.3  | 62.5° | 7149.3 | 3909.7 | 1344.8 | 916.0  | 910.2  | 887.4  | 944.5  | 944.5  | 824.5  | 728.4  |
| 10203.6 | 65°   | 7326.5 | 3877.7 | 1196.1 | 841.6  | 853.1  | 818.8  | 874.8  | 867.9  | 766.2  | 681.5  |
| 10527.2 | 67.5° | 7483.2 | 3772.5 | 1031.5 | 768.4  | 794.7  | 751.3  | 801.6  | 785.6  | 702.1  | 634.7  |
| 10807.4 | 70°   | 7552.9 | 3527.7 | 843.9  | 695.3  | 727.3  | 685.0  | 728.4  | 698.7  | 630.1  | 584.3  |
| 10499.8 | 72.5° | 6992.6 | 2932.0 | 664.4  | 618.6  | 646.1  | 611.8  | 649.5  | 615.2  | 552.3  | 531.7  |
| 9066.9  | 75°   | 5785.0 | 2200.1 | 511.2  | 535.2  | 555.7  | 529.4  | 554.6  | 529.4  | 472.3  | 487.1  |
| 6697.6  | 77.5° | 4201.3 | 1485.4 | 391.1  | 447.1  | 456.3  | 442.5  | 464.3  | 435.7  | 384.2  | 380.8  |
| 3337.9  | 80°   | 2089.2 | 870.2  | 306.5  | 353.3  | 349.9  | 340.8  | 365.9  | 352.2  | 308.7  | 327.0  |
| 901.1   | 82.5° | 604.9  | 372.8  | 223.0  | 248.1  | 241.3  | 243.6  | 261.9  | 268.7  | 402.5  | 399.1  |
| 280.2   | 85°   | 189.8  | 146.4  | 133.8  | 138.4  | 131.5  | 134.9  | 154.4  | 306.5  | 283.6  | 165.8  |
| 86.9    | 87.5° | 49.2   | 50.3   | 33.2   | 35.4   | 36.6   | 43.5   | 49.2   | 186.4  | 89.2   | 58.3   |
| 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°   |
|--------|
| 3901.7 |
| 3715.3 |
| 3315.1 |
| 2762.7 |
| 2333.9 |
| 2134.9 |
| 1992.0 |
| 1942.8 |
| 1928.0 |
| 1871.9 |
| 1778.2 |
| 1701.6 |
| 1629.5 |
| 1550.6 |
| 1462.6 |
| 1363.1 |
| 1207.6 |
| 1134.4 |
| 1180.1 |
| 1148.1 |
| 1016.6 |
| 928.5  |
| 885.1  |
| 830.2  |
| 777.6  |
| 725.0  |
| 677.0  |
| 630.1  |
| 575.2  |
| 514.6  |
| 444.8  |
| 363.6  |
| 323.6  |
| 408.2  |
| 179.5  |
| 61.7   |
| 0.0    |