

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: P950797

Luminaire Tested: **GLAN-SB5A-927-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-927-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14028 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 141.7  
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



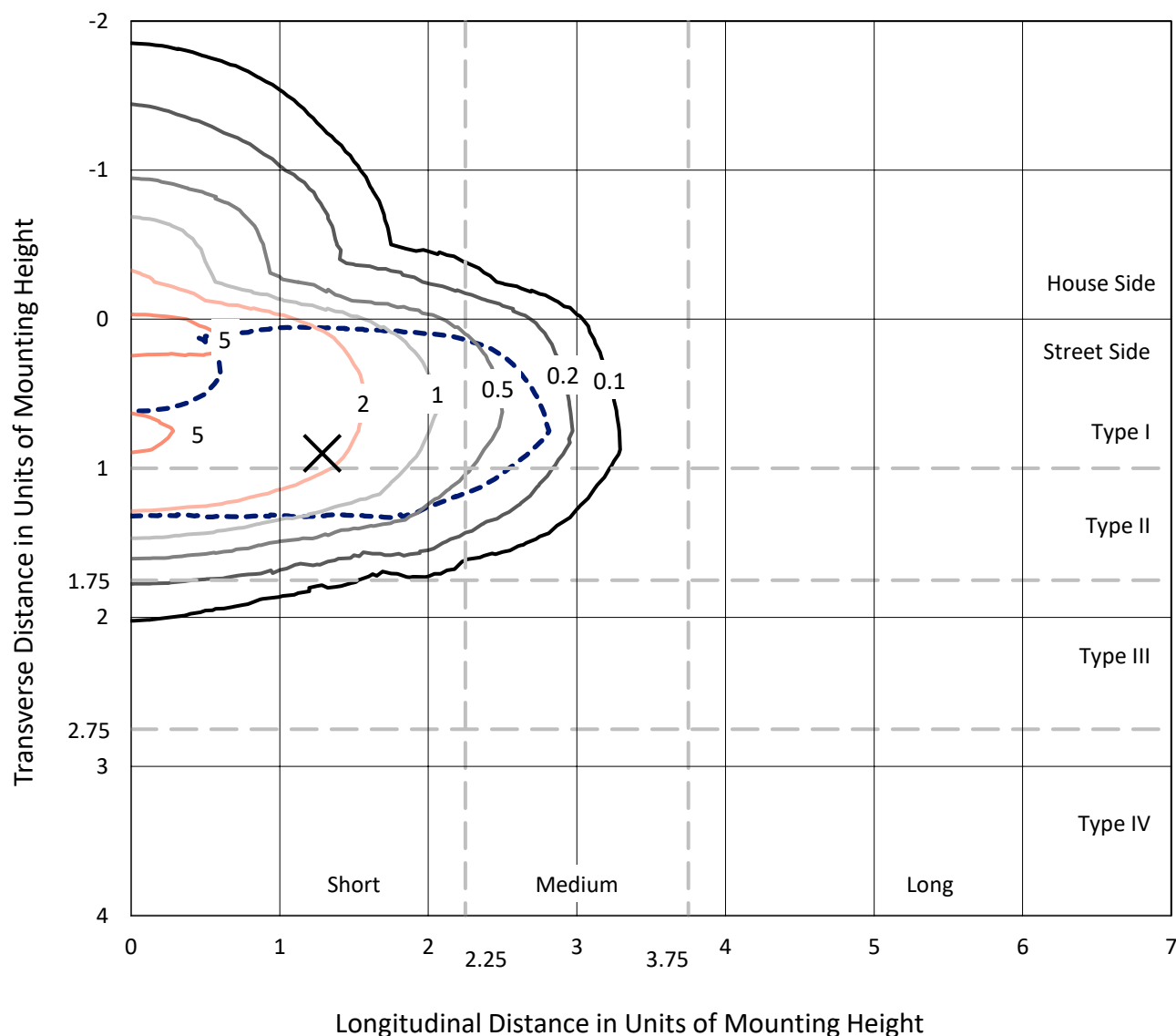
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

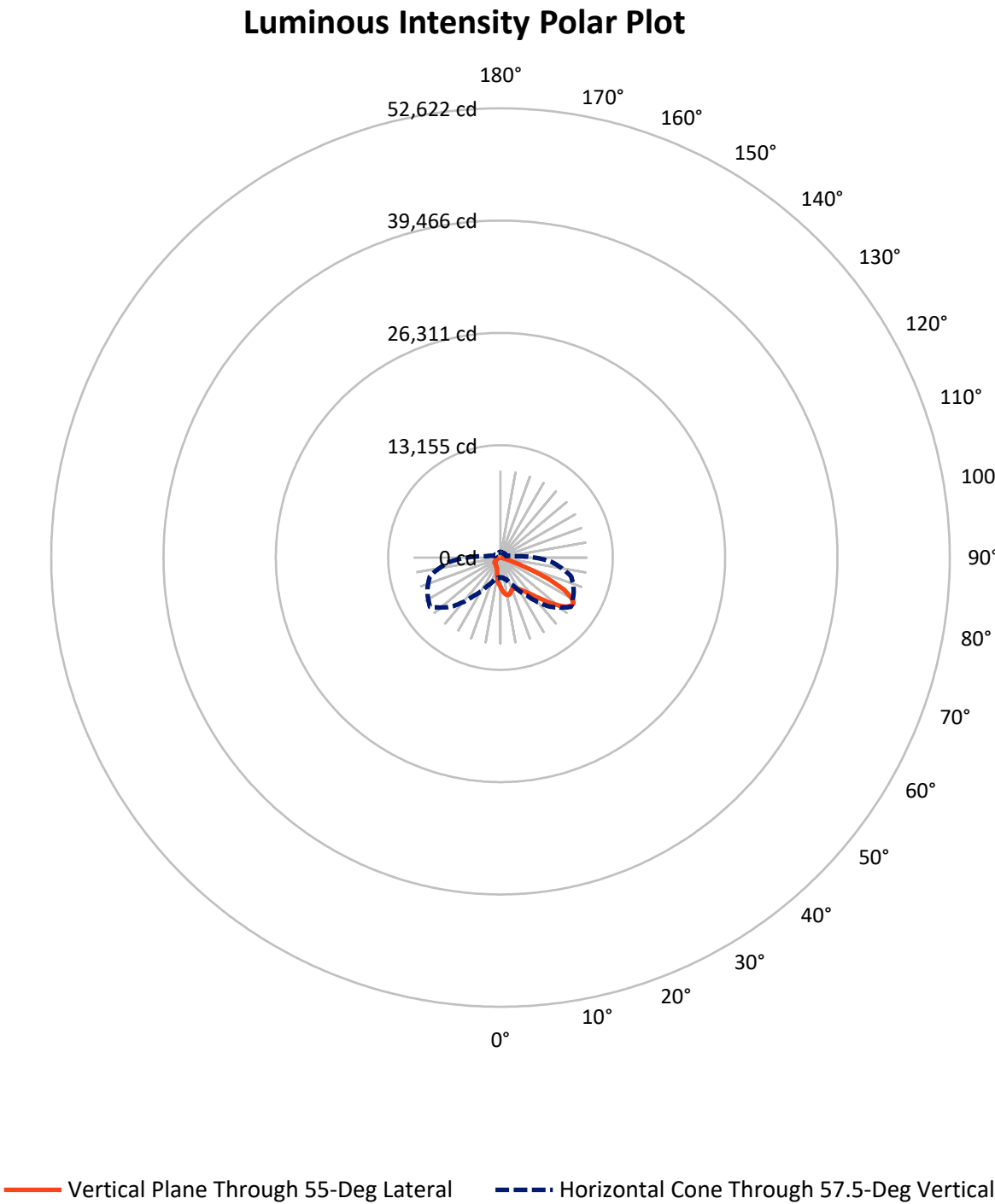
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc

Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2538.3   | 0.0    | 2538.3  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 11489.7  | 0.0    | 11489.7 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 14028.0  | 0.0    | 14028.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 326.2   | 2.3       |
| 10°-20°   | 823.3   | 5.9       |
| 20°-30°   | 1313.7  | 9.4       |
| 30°-40°   | 2079.9  | 14.8      |
| 40°-50°   | 3183.5  | 22.7      |
| 50°-60°   | 3409.8  | 24.3      |
| 60°-70°   | 2145.1  | 15.3      |
| 70°-80°   | 634.4   | 4.5       |
| 80°-90°   | 112.2   | 0.8       |
| 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°    | 14028.0 | 100.0     |
| 0°-180°   | 14028.0 | 100.0     |

**Coefficient of Utilization**



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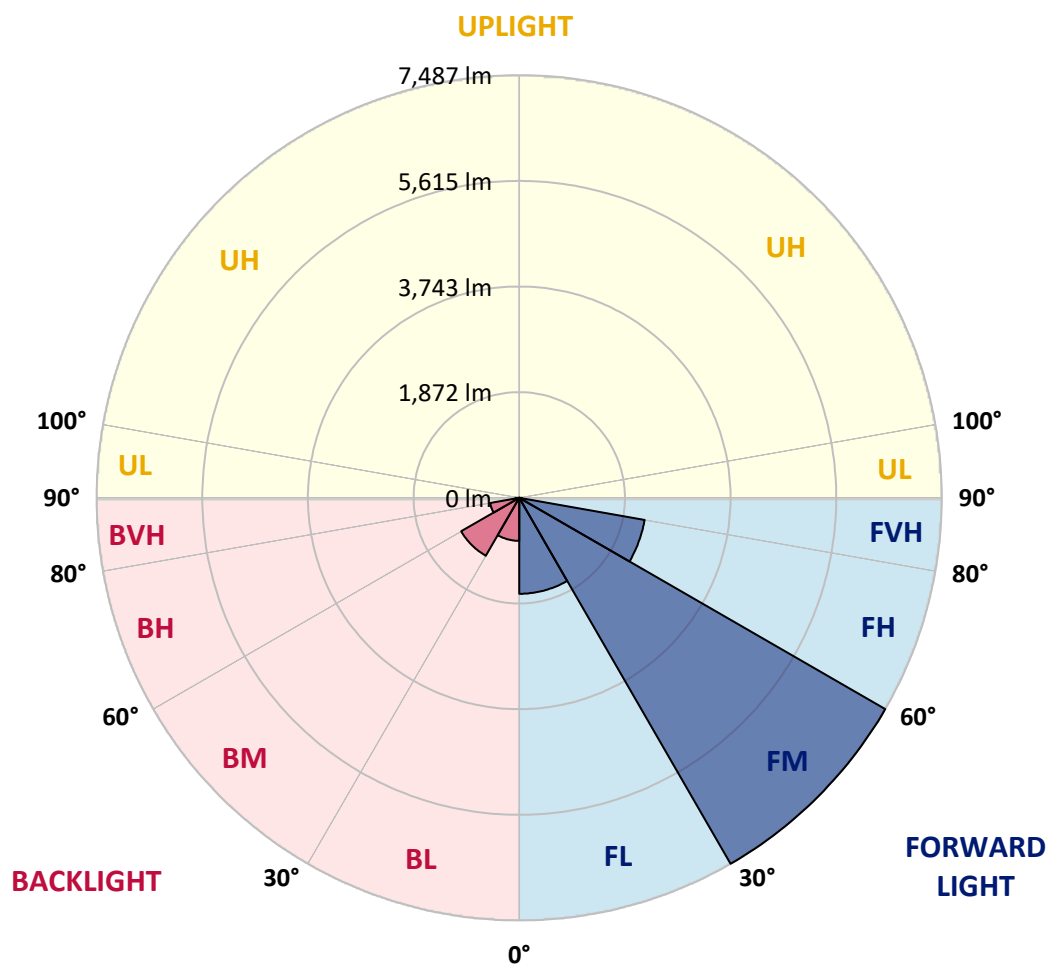
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1700.2 | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 7486.8 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 2255.3 | 16.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 47.4   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 762.9  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1186.4 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 524.2  | 3.7       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 64.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| 0°    | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0  | 3515.0 | 3515.0 | 3515.0 |
| 2.5°  | 4032.7 | 4029.8 | 4045.8 | 3991.4 | 3954.4 | 3904.4 | 3838.4  | 3754.3 | 3663.6 | 3567.9 |
| 5°    | 4396.1 | 4370.7 | 4387.4 | 4346.7 | 4306.1 | 4230.7 | 4132.8  | 3995.8 | 3828.2 | 3637.5 |
| 7.5°  | 4338.8 | 4321.4 | 4364.2 | 4400.4 | 4430.9 | 4421.4 | 4349.6  | 4206.1 | 3990.0 | 3712.9 |
| 10°   | 3876.8 | 3857.2 | 3917.4 | 4042.9 | 4227.1 | 4387.4 | 4474.4  | 4385.2 | 4155.3 | 3795.6 |
| 12.5° | 3469.3 | 3459.8 | 3499.7 | 3601.3 | 3805.8 | 4113.2 | 4458.4  | 4541.8 | 4327.2 | 3893.5 |
| 15°   | 3295.2 | 3283.6 | 3309.0 | 3360.5 | 3491.0 | 3777.5 | 4313.4  | 4649.1 | 4496.1 | 4006.6 |
| 17.5° | 3256.8 | 3243.7 | 3254.6 | 3281.5 | 3365.6 | 3583.9 | 4094.4  | 4702.1 | 4672.4 | 4132.8 |
| 20°   | 3327.9 | 3317.0 | 3318.4 | 3317.0 | 3375.7 | 3549.0 | 3942.1  | 4681.8 | 4826.1 | 4248.8 |
| 22.5° | 3499.7 | 3481.6 | 3482.3 | 3443.9 | 3475.8 | 3610.0 | 3902.2  | 4627.4 | 4963.2 | 4350.4 |
| 25°   | 3779.7 | 3747.0 | 3753.5 | 3655.6 | 3646.9 | 3746.3 | 3964.6  | 4585.3 | 5099.5 | 4431.6 |
| 27.5° | 4162.5 | 4125.6 | 4106.0 | 3960.2 | 3890.6 | 3939.9 | 4091.5  | 4599.8 | 5228.6 | 4501.9 |
| 30°   | 4641.2 | 4596.2 | 4556.3 | 4349.6 | 4223.5 | 4205.3 | 4288.7  | 4695.6 | 5380.9 | 4575.9 |
| 32.5° | 5227.8 | 5175.6 | 5103.1 | 4829.0 | 4651.3 | 4556.3 | 4544.0  | 4866.0 | 5559.3 | 4670.2 |
| 35°   | 5926.2 | 5858.0 | 5755.1 | 5400.4 | 5175.6 | 4981.3 | 4880.5  | 5111.8 | 5803.6 | 4812.3 |
| 37.5° | 6645.6 | 6568.7 | 6474.4 | 6052.4 | 5776.1 | 5489.6 | 5290.9  | 5445.4 | 6129.2 | 5005.2 |
| 40°   | 7309.1 | 7222.8 | 7135.1 | 6759.4 | 6462.8 | 6117.6 | 5793.5  | 5867.5 | 6527.4 | 5235.8 |
| 42.5° | 7700.7 | 7636.9 | 7603.5 | 7400.5 | 7171.3 | 6821.1 | 6418.6  | 6367.8 | 6974.8 | 5501.2 |
| 45°   | 7683.3 | 7657.2 | 7760.2 | 7844.3 | 7789.9 | 7595.6 | 7151.0  | 6921.1 | 7423.7 | 5731.1 |
| 47.5° | 7272.9 | 7290.3 | 7520.1 | 7993.0 | 8201.1 | 8302.6 | 7985.0  | 7464.3 | 7813.8 | 5903.0 |
| 50°   | 6156.1 | 6170.6 | 6702.9 | 7722.5 | 8307.0 | 8879.1 | 8812.4  | 7994.4 | 8116.2 | 6008.1 |
| 52.5° | 5272.1 | 5281.5 | 5509.9 | 6920.4 | 7957.4 | 9169.2 | 9557.9  | 8494.1 | 8337.4 | 6037.1 |
| 55°   | 3971.1 | 4003.7 | 4259.7 | 5429.4 | 7048.1 | 8939.3 | 10011.9 | 9008.9 | 8477.4 | 6040.0 |
| 57.5° | 2319.9 | 2355.4 | 2671.6 | 3685.4 | 5478.0 | 8138.0 | 10080.8 | 9465.8 | 8572.4 | 6016.8 |
| 60°   | 1136.4 | 1151.6 | 1289.4 | 1937.0 | 3377.9 | 6594.1 | 9526.7  | 9687.0 | 8625.3 | 6004.5 |
| 62.5° | 765.8  | 763.6  | 769.4  | 955.8  | 1664.3 | 4236.5 | 8372.2  | 9299.7 | 8597.0 | 5957.4 |
| 65°   | 658.5  | 650.5  | 628.7  | 670.8  | 862.2  | 1937.7 | 6468.6  | 8143.8 | 8381.7 | 5839.2 |
| 67.5° | 569.3  | 570.0  | 570.7  | 557.7  | 615.7  | 894.2  | 3953.0  | 6415.0 | 7608.6 | 5279.3 |
| 70°   | 471.4  | 477.9  | 480.8  | 480.8  | 501.8  | 586.7  | 1687.5  | 4396.8 | 6001.6 | 4139.3 |
| 72.5° | 429.3  | 415.5  | 417.0  | 409.7  | 409.7  | 446.7  | 679.5   | 2492.5 | 3781.1 | 2328.6 |
| 75°   | 350.3  | 359.0  | 360.4  | 355.3  | 338.7  | 340.8  | 403.2   | 1045.7 | 1617.9 | 965.9  |
| 77.5° | 302.4  | 302.4  | 305.3  | 301.7  | 288.6  | 255.3  | 269.0   | 405.4  | 550.4  | 395.9  |
| 80°   | 242.9  | 242.2  | 254.5  | 261.8  | 241.5  | 188.5  | 171.9   | 224.1  | 244.4  | 174.0  |
| 82.5° | 118.2  | 125.5  | 174.8  | 199.4  | 183.5  | 136.3  | 105.2   | 139.2  | 130.5  | 76.9   |
| 85°   | 68.9   | 65.3   | 78.3   | 111.0  | 105.2  | 75.4   | 50.8    | 72.5   | 68.2   | 39.2   |
| 87.5° | 21.8   | 20.3   | 16.0   | 37.7   | 30.5   | 21.0   | 13.8    | 21.0   | 18.9   | 8.7    |
| 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):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3515.0 | 0°    | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 | 3515.0 |
| 3526.6 | 2.5°  | 3475.1 | 3389.5 | 3304.7 | 3227.1 | 3179.9 | 3149.5 | 3119.0 | 3084.9 | 3071.9 | 3052.3 |
| 3536.0 | 5°    | 3440.3 | 3274.9 | 3127.7 | 3000.8 | 2885.5 | 2794.9 | 2703.5 | 2629.5 | 2596.2 | 2618.6 |
| 3565.7 | 7.5°  | 3420.0 | 3180.7 | 2953.7 | 2720.9 | 2496.8 | 2317.7 | 2161.8 | 2052.3 | 2003.0 | 2015.3 |
| 3594.7 | 10°   | 3401.8 | 3074.1 | 2728.1 | 2360.5 | 2038.5 | 1816.6 | 1657.0 | 1573.6 | 1542.5 | 1549.0 |
| 3633.9 | 12.5° | 3385.2 | 2954.4 | 2456.2 | 1972.5 | 1630.2 | 1483.7 | 1438.0 | 1438.8 | 1444.6 | 1448.9 |
| 3696.3 | 15°   | 3382.3 | 2810.1 | 2152.3 | 1633.1 | 1409.8 | 1400.3 | 1449.6 | 1480.8 | 1497.5 | 1502.6 |
| 3748.5 | 17.5° | 3377.9 | 2637.5 | 1842.7 | 1401.8 | 1356.1 | 1419.9 | 1465.6 | 1485.9 | 1499.0 | 1499.7 |
| 3799.2 | 20°   | 3360.5 | 2418.5 | 1557.0 | 1291.6 | 1344.5 | 1399.6 | 1427.9 | 1443.8 | 1454.7 | 1458.3 |
| 3837.7 | 22.5° | 3306.8 | 2174.8 | 1334.3 | 1242.2 | 1298.1 | 1342.3 | 1375.7 | 1393.8 | 1400.3 | 1404.7 |
| 3844.9 | 25°   | 3210.4 | 1902.2 | 1180.6 | 1195.1 | 1233.5 | 1289.4 | 1316.2 | 1319.8 | 1317.7 | 1324.2 |
| 3826.8 | 27.5° | 3084.2 | 1609.9 | 1084.9 | 1131.3 | 1180.6 | 1228.5 | 1243.0 | 1240.8 | 1236.4 | 1243.7 |
| 3795.6 | 30°   | 2931.9 | 1347.4 | 1024.0 | 1059.5 | 1126.9 | 1170.4 | 1183.5 | 1178.4 | 1169.7 | 1177.7 |
| 3779.7 | 32.5° | 2770.9 | 1132.7 | 973.9  | 1009.5 | 1082.7 | 1125.5 | 1138.5 | 1133.5 | 1126.9 | 1133.5 |
| 3797.8 | 35°   | 2620.8 | 982.6  | 927.5  | 976.1  | 1047.9 | 1089.9 | 1106.6 | 1107.4 | 1107.4 | 1115.3 |
| 3845.6 | 37.5° | 2483.0 | 894.9  | 889.1  | 955.1  | 1024.0 | 1061.7 | 1085.6 | 1087.0 | 1055.9 | 1058.0 |
| 3926.9 | 40°   | 2355.4 | 857.9  | 871.7  | 941.3  | 1000.8 | 1037.0 | 1038.5 | 957.2  | 900.0  | 898.5  |
| 4019.7 | 42.5° | 2251.0 | 850.6  | 876.7  | 939.8  | 984.1  | 985.5  | 883.3  | 820.2  | 804.2  | 805.0  |
| 4105.3 | 45°   | 2153.1 | 848.5  | 888.3  | 939.8  | 959.4  | 851.4  | 782.5  | 765.8  | 767.2  | 773.0  |
| 4143.7 | 47.5° | 2043.6 | 839.8  | 890.5  | 926.8  | 888.3  | 757.1  | 736.8  | 729.5  | 726.6  | 728.1  |
| 4135.0 | 50°   | 1923.9 | 808.6  | 863.0  | 900.7  | 766.5  | 716.5  | 691.1  | 688.9  | 692.5  | 694.7  |
| 4086.4 | 52.5° | 1797.7 | 757.8  | 815.8  | 853.5  | 710.7  | 680.9  | 652.7  | 657.7  | 673.7  | 678.8  |
| 4035.6 | 55°   | 1715.1 | 698.4  | 753.5  | 759.3  | 671.5  | 647.6  | 623.7  | 635.3  | 665.0  | 674.4  |
| 4005.2 | 57.5° | 1693.3 | 635.3  | 682.4  | 675.9  | 621.5  | 618.6  | 604.1  | 614.2  | 651.9  | 665.7  |
| 4003.7 | 60°   | 1686.8 | 578.7  | 612.8  | 607.7  | 572.9  | 586.7  | 583.0  | 588.1  | 601.2  | 605.5  |
| 3989.2 | 62.5° | 1636.0 | 533.7  | 550.4  | 543.2  | 529.4  | 553.3  | 562.0  | 551.1  | 561.3  | 566.4  |
| 3889.9 | 65°   | 1506.9 | 497.5  | 489.5  | 484.4  | 490.2  | 512.0  | 529.4  | 507.6  | 517.1  | 531.6  |
| 3507.0 | 67.5° | 1293.7 | 448.2  | 426.4  | 432.2  | 450.3  | 461.9  | 484.4  | 459.8  | 467.7  | 492.4  |
| 2824.6 | 70°   | 1046.4 | 385.8  | 366.2  | 382.9  | 400.3  | 424.2  | 427.9  | 411.2  | 430.0  | 457.6  |
| 1723.8 | 72.5° | 740.4  | 322.7  | 308.9  | 343.0  | 348.8  | 380.0  | 372.0  | 364.0  | 390.1  | 399.6  |
| 852.1  | 75°   | 513.4  | 260.3  | 252.4  | 278.5  | 299.5  | 326.3  | 320.5  | 330.0  | 385.1  | 389.4  |
| 425.7  | 77.5° | 324.9  | 202.3  | 197.2  | 213.9  | 242.9  | 272.7  | 282.1  | 389.4  | 657.7  | 683.8  |
| 221.2  | 80°   | 188.5  | 150.8  | 145.0  | 158.1  | 183.5  | 211.0  | 271.9  | 477.9  | 433.7  | 428.6  |
| 99.4   | 82.5° | 105.2  | 103.7  | 96.4   | 100.1  | 122.6  | 152.3  | 384.3  | 336.5  | 273.4  | 282.1  |
| 39.9   | 85°   | 49.3   | 60.9   | 52.2   | 50.0   | 68.9   | 178.4  | 256.7  | 192.2  | 127.6  | 124.7  |
| 8.7    | 87.5° | 13.1   | 11.6   | 11.6   | 13.1   | 29.0   | 153.7  | 102.3  | 81.9   | 48.6   | 47.1   |
| 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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