

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: P951180

Luminaire Tested: **GLAN-SB5B-930-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951180  
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-SB5B-930-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19339 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G4

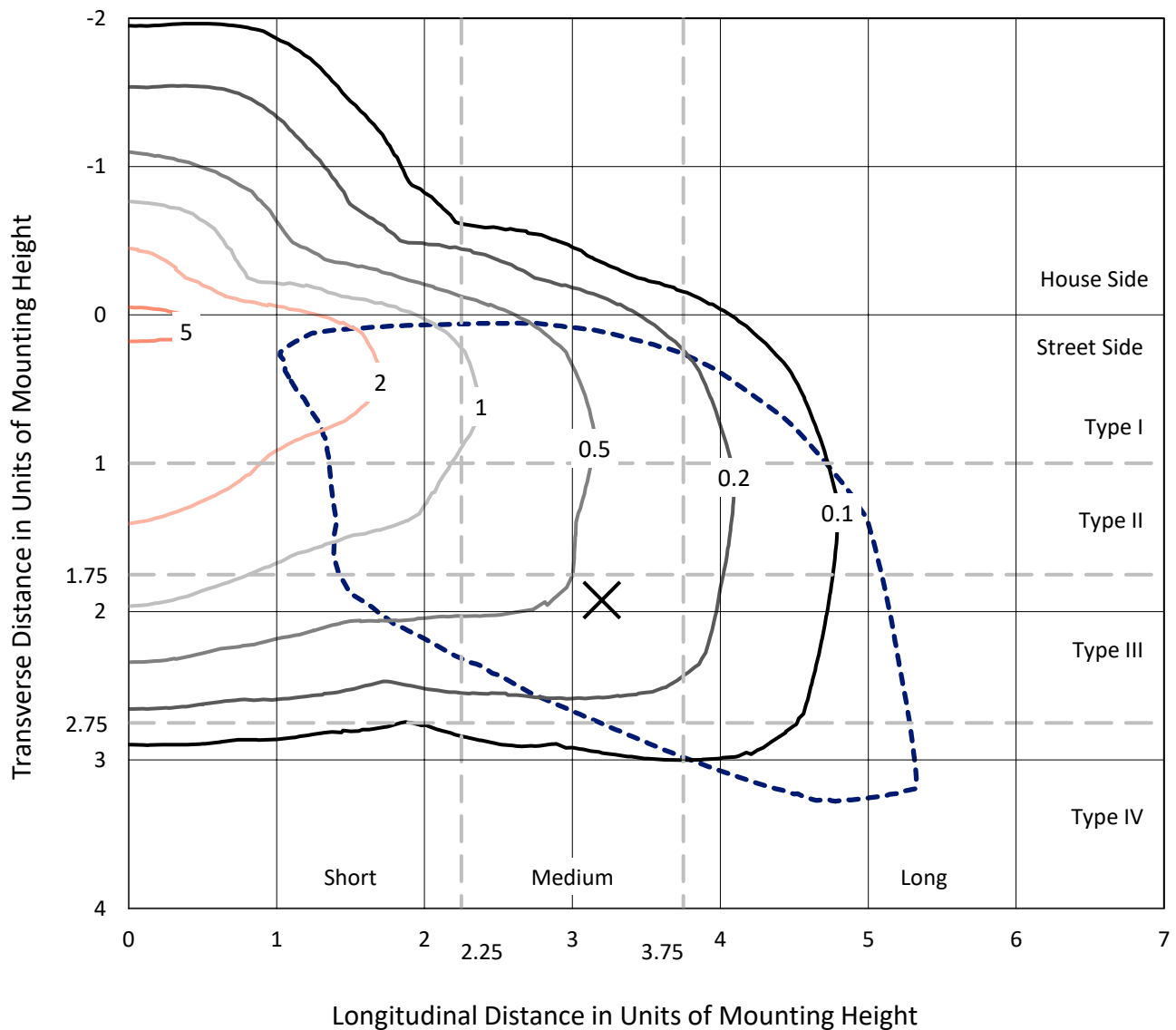
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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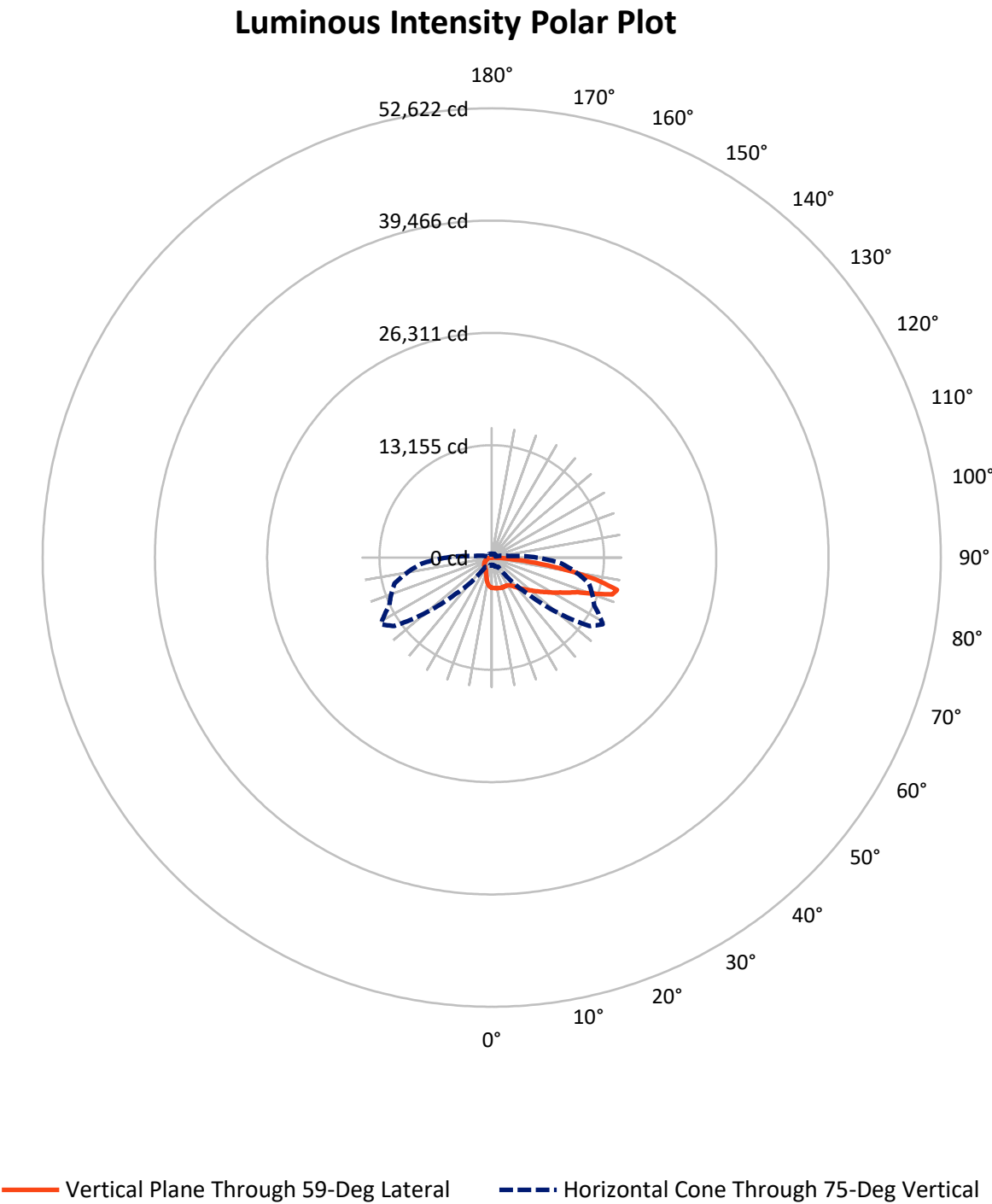
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
Type IV - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3627.2   | 0.0    | 3627.2  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 15711.8  | 0.0    | 15711.8 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 19339.0  | 0.0    | 19339.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 318.3   | 1.6       |
| 10°-20°   | 813.5   | 4.2       |
| 20°-30°   | 1235.7  | 6.4       |
| 30°-40°   | 1836.9  | 9.5       |
| 40°-50°   | 2731.7  | 14.1      |
| 50°-60°   | 3708.0  | 19.2      |
| 60°-70°   | 4526.9  | 23.4      |
| 70°-80°   | 3552.6  | 18.4      |
| 80°-90°   | 615.4   | 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°    | 19339.0 | 100.0     |
| 0°-180°   | 19339.0 | 100.0     |

**Coefficient of Utilization**



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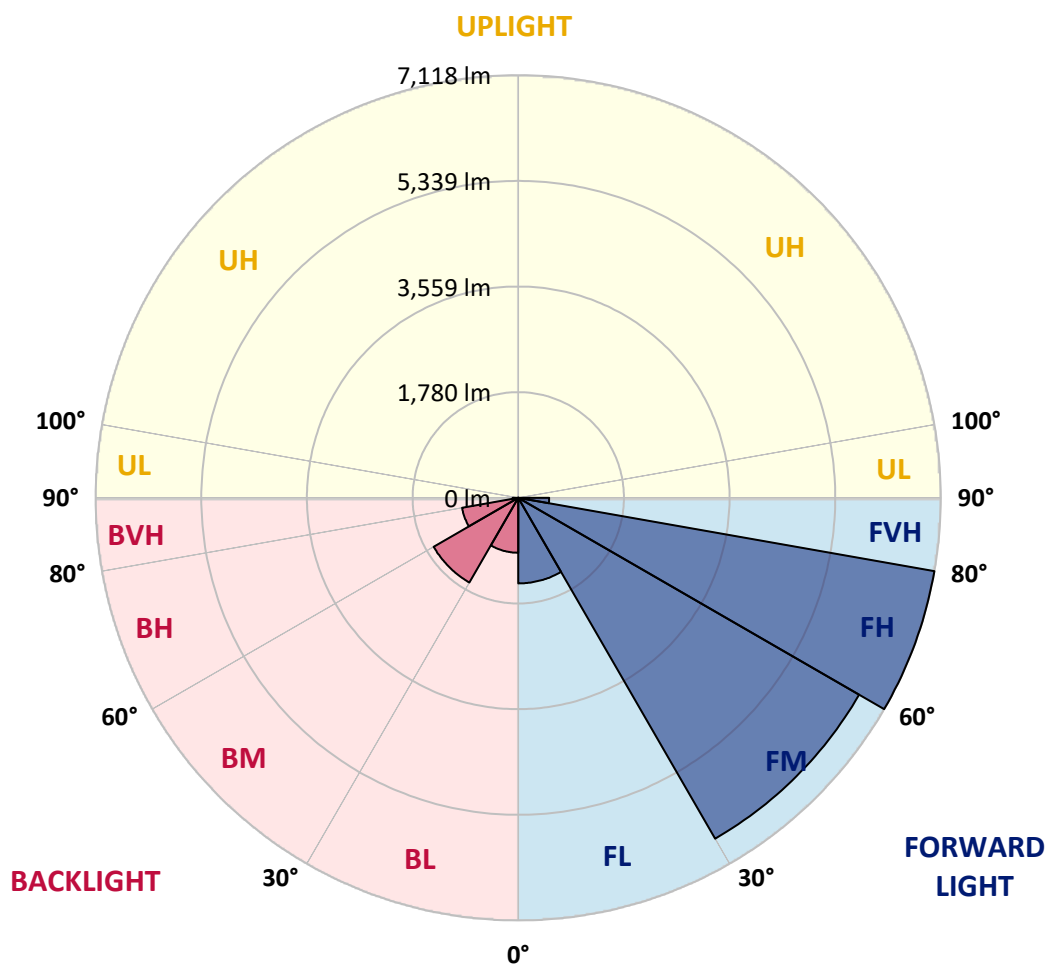
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1441.9 | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 6630.2 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 7118.5 | 36.8      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 521.2  | 2.7       |                         |      | G4/750  |
| BL   | (0°-30°)    | 925.6  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1646.4 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 961.0  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 94.2   | 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-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 59°     | 65°     | 75°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6  | 3549.6  | 3549.6  | 3549.6  |
| 2.5°  | 3579.8 | 3567.3 | 3579.8 | 3574.6 | 3572.5 | 3568.4 | 3569.4  | 3576.7  | 3572.5  | 3577.7  |
| 5°    | 3555.9 | 3548.6 | 3561.1 | 3558.0 | 3571.5 | 3573.6 | 3587.1  | 3595.4  | 3600.6  | 3601.6  |
| 7.5°  | 3516.3 | 3509.1 | 3526.7 | 3541.3 | 3570.4 | 3578.8 | 3606.8  | 3620.4  | 3627.7  | 3640.1  |
| 10°   | 3371.7 | 3368.6 | 3412.3 | 3467.4 | 3536.1 | 3578.8 | 3621.4  | 3644.3  | 3655.7  | 3689.0  |
| 12.5° | 3115.8 | 3120.0 | 3177.2 | 3283.3 | 3420.6 | 3558.0 | 3638.1  | 3671.3  | 3689.0  | 3730.6  |
| 15°   | 2871.3 | 2870.3 | 2932.7 | 3046.1 | 3238.6 | 3466.4 | 3646.4  | 3703.6  | 3733.8  | 3795.1  |
| 17.5° | 2729.8 | 2725.7 | 2769.4 | 2855.7 | 3034.7 | 3326.0 | 3625.6  | 3721.3  | 3785.8  | 3862.8  |
| 20°   | 2703.8 | 2695.5 | 2718.4 | 2761.1 | 2888.0 | 3172.0 | 3571.5  | 3721.3  | 3827.4  | 3927.3  |
| 22.5° | 2798.5 | 2785.0 | 2775.6 | 2770.4 | 2826.6 | 3045.1 | 3510.1  | 3708.8  | 3888.8  | 4019.9  |
| 25°   | 2988.9 | 2968.1 | 2920.2 | 2873.4 | 2856.8 | 2987.8 | 3456.0  | 3705.7  | 3980.3  | 4144.7  |
| 27.5° | 3296.8 | 3270.8 | 3174.1 | 3061.7 | 2960.8 | 3017.0 | 3432.1  | 3724.4  | 4081.2  | 4276.8  |
| 30°   | 3678.6 | 3650.5 | 3528.8 | 3356.1 | 3175.1 | 3125.2 | 3462.2  | 3779.5  | 4210.2  | 4452.6  |
| 32.5° | 4020.9 | 3989.7 | 3885.7 | 3709.8 | 3465.4 | 3312.4 | 3558.0  | 3884.6  | 4413.1  | 4697.1  |
| 35°   | 4324.7 | 4288.3 | 4194.6 | 4032.3 | 3821.2 | 3575.6 | 3730.6  | 4070.8  | 4701.3  | 5094.5  |
| 37.5° | 4622.2 | 4579.6 | 4477.6 | 4306.0 | 4158.2 | 3926.2 | 3968.9  | 4310.1  | 5084.1  | 5577.2  |
| 40°   | 4955.1 | 4893.7 | 4769.9 | 4600.4 | 4456.8 | 4337.2 | 4282.0  | 4603.5  | 5473.2  | 6116.1  |
| 42.5° | 5277.6 | 5219.4 | 5071.6 | 4927.0 | 4747.1 | 4712.7 | 4645.1  | 4946.8  | 5898.7  | 6708.1  |
| 45°   | 5625.1 | 5555.4 | 5376.5 | 5193.4 | 5080.0 | 4962.4 | 4996.7  | 5290.1  | 6315.9  | 7311.5  |
| 47.5° | 5950.7 | 5872.7 | 5661.5 | 5457.6 | 5395.2 | 5172.6 | 5319.2  | 5667.8  | 6749.7  | 7923.2  |
| 50°   | 6126.5 | 6049.6 | 5873.7 | 5689.6 | 5640.7 | 5431.6 | 5668.8  | 6082.9  | 7204.3  | 8532.8  |
| 52.5° | 6273.2 | 6190.0 | 5960.1 | 5858.1 | 5843.6 | 5713.5 | 6099.5  | 6557.2  | 7659.0  | 9071.7  |
| 55°   | 6429.3 | 6336.7 | 6043.3 | 5951.8 | 6018.4 | 6029.8 | 6610.3  | 7095.1  | 8139.6  | 9597.1  |
| 57.5° | 6609.3 | 6491.7 | 6123.4 | 6030.8 | 6189.0 | 6400.2 | 7197.1  | 7652.7  | 8611.9  | 10084.0 |
| 60°   | 6778.8 | 6660.2 | 6277.4 | 6156.7 | 6373.1 | 6829.8 | 7870.2  | 8327.9  | 9146.6  | 10517.8 |
| 62.5° | 6812.1 | 6714.3 | 6400.2 | 6399.1 | 6622.8 | 7331.3 | 8667.0  | 9009.3  | 9613.8  | 10946.4 |
| 65°   | 6235.8 | 6174.4 | 5988.2 | 6389.8 | 6980.7 | 8053.2 | 9554.5  | 9881.1  | 10207.8 | 11320.9 |
| 67.5° | 4746.0 | 4754.3 | 4740.8 | 5515.9 | 6691.4 | 9090.5 | 10839.3 | 10814.3 | 10941.2 | 11741.2 |
| 70°   | 2170.1 | 2219.0 | 2537.4 | 3807.6 | 5360.9 | 9210.1 | 12963.6 | 12640.1 | 11861.9 | 12285.3 |
| 72.5° | 1172.5 | 1209.9 | 1340.0 | 1844.5 | 3223.0 | 8188.5 | 14551.2 | 14781.1 | 13086.4 | 12651.5 |
| 75°   | 860.4  | 881.2  | 971.7  | 1172.5 | 1353.5 | 6086.0 | 13982.1 | 15161.9 | 13239.3 | 11797.4 |
| 77.5° | 644.0  | 653.3  | 727.2  | 929.0  | 692.9  | 3208.4 | 11172.2 | 12556.9 | 11333.4 | 9692.8  |
| 80°   | 467.1  | 477.5  | 532.7  | 697.0  | 485.8  | 1173.5 | 7671.4  | 8813.7  | 7762.0  | 6178.6  |
| 82.5° | 322.5  | 326.7  | 350.6  | 474.4  | 339.1  | 455.7  | 4352.8  | 5168.4  | 4333.0  | 2168.1  |
| 85°   | 194.5  | 199.7  | 210.1  | 276.7  | 192.5  | 216.4  | 1878.8  | 1943.3  | 1295.2  | 518.1   |
| 87.5° | 80.1   | 85.3   | 93.6   | 116.5  | 75.9   | 60.3   | 310.0   | 389.1   | 242.4   | 151.9   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3549.6 | 0°    | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 | 3549.6 |
| 3560.0 | 2.5°  | 3554.8 | 3547.5 | 3527.8 | 3500.7 | 3475.8 | 3444.6 | 3431.0 | 3419.6 | 3409.2 | 3389.4 |
| 3588.1 | 5°    | 3576.7 | 3556.9 | 3503.9 | 3435.2 | 3357.2 | 3271.9 | 3188.6 | 3131.4 | 3082.5 | 3046.1 |
| 3620.4 | 7.5°  | 3610.0 | 3572.5 | 3475.8 | 3335.3 | 3156.4 | 2973.3 | 2807.9 | 2690.3 | 2601.9 | 2569.6 |
| 3666.1 | 10°   | 3644.3 | 3599.6 | 3431.0 | 3183.4 | 2874.5 | 2592.5 | 2373.0 | 2252.3 | 2181.6 | 2158.7 |
| 3720.2 | 12.5° | 3684.9 | 3619.3 | 3361.3 | 2972.2 | 2559.2 | 2250.2 | 2058.8 | 1988.1 | 1951.7 | 1939.2 |
| 3786.8 | 15°   | 3744.2 | 3636.0 | 3256.3 | 2708.0 | 2258.6 | 2000.6 | 1876.8 | 1827.9 | 1809.1 | 1808.1 |
| 3855.5 | 17.5° | 3788.9 | 3639.1 | 3092.9 | 2425.0 | 2027.6 | 1849.7 | 1747.8 | 1729.0 | 1741.5 | 1760.3 |
| 3923.1 | 20°   | 3838.8 | 3611.0 | 2878.6 | 2167.0 | 1865.3 | 1717.6 | 1674.9 | 1687.4 | 1717.6 | 1744.6 |
| 4012.6 | 22.5° | 3874.2 | 3560.0 | 2619.6 | 1966.2 | 1724.9 | 1641.7 | 1639.6 | 1665.6 | 1682.2 | 1695.7 |
| 4117.7 | 25°   | 3905.4 | 3473.7 | 2344.9 | 1797.7 | 1609.4 | 1595.9 | 1618.8 | 1610.4 | 1599.0 | 1610.4 |
| 4222.7 | 27.5° | 3928.3 | 3337.4 | 2099.4 | 1650.0 | 1528.3 | 1564.7 | 1551.1 | 1532.4 | 1531.4 | 1537.6 |
| 4346.5 | 30°   | 3921.0 | 3155.3 | 1897.6 | 1509.5 | 1471.0 | 1506.4 | 1474.2 | 1471.0 | 1467.9 | 1471.0 |
| 4532.7 | 32.5° | 3921.0 | 2948.3 | 1742.6 | 1412.8 | 1434.6 | 1421.1 | 1418.0 | 1410.7 | 1398.2 | 1397.2 |
| 4785.6 | 35°   | 3942.9 | 2741.3 | 1609.4 | 1360.8 | 1404.5 | 1372.2 | 1374.3 | 1356.6 | 1330.6 | 1318.1 |
| 5120.5 | 37.5° | 3987.6 | 2574.8 | 1477.3 | 1335.8 | 1351.4 | 1350.4 | 1342.0 | 1311.9 | 1266.1 | 1226.6 |
| 5538.8 | 40°   | 4095.8 | 2525.9 | 1386.8 | 1324.3 | 1326.4 | 1338.9 | 1317.1 | 1258.8 | 1154.8 | 1090.3 |
| 5963.2 | 42.5° | 4265.4 | 2608.1 | 1367.0 | 1296.3 | 1309.8 | 1322.3 | 1279.6 | 1144.4 | 1070.5 | 1032.0 |
| 6408.5 | 45°   | 4480.7 | 2751.7 | 1409.7 | 1255.7 | 1270.3 | 1292.1 | 1165.2 | 1100.7 | 1067.4 | 1068.4 |
| 6849.6 | 47.5° | 4753.3 | 2902.5 | 1488.7 | 1220.3 | 1213.0 | 1225.5 | 1089.2 | 1049.7 | 1003.9 | 1015.4 |
| 7273.0 | 50°   | 5068.5 | 3055.5 | 1563.6 | 1172.5 | 1149.6 | 1109.0 | 1040.3 | 1002.9 | 944.6  | 917.6  |
| 7681.8 | 52.5° | 5409.8 | 3203.2 | 1593.8 | 1114.2 | 1080.9 | 1034.1 | 1007.0 | 961.3  | 890.5  | 845.8  |
| 8067.8 | 55°   | 5733.3 | 3337.4 | 1560.5 | 1044.5 | 1012.2 | 975.8  | 971.7  | 943.6  | 867.6  | 805.2  |
| 8411.1 | 57.5° | 6039.2 | 3449.8 | 1477.3 | 973.8  | 942.5  | 920.7  | 948.8  | 935.3  | 839.6  | 759.4  |
| 8735.7 | 60°   | 6298.2 | 3526.7 | 1356.6 | 902.0  | 880.1  | 868.7  | 911.3  | 907.2  | 800.0  | 710.6  |
| 9027.0 | 62.5° | 6504.2 | 3556.9 | 1223.4 | 833.3  | 828.1  | 807.3  | 859.3  | 859.3  | 750.1  | 662.7  |
| 9282.9 | 65°   | 6665.4 | 3527.8 | 1088.2 | 765.7  | 776.1  | 744.9  | 795.9  | 789.6  | 697.0  | 620.0  |
| 9577.3 | 67.5° | 6808.0 | 3432.1 | 938.4  | 699.1  | 723.0  | 683.5  | 729.3  | 714.7  | 638.8  | 577.4  |
| 9832.2 | 70°   | 6871.4 | 3209.4 | 767.8  | 632.5  | 661.7  | 623.2  | 662.7  | 635.6  | 573.2  | 531.6  |
| 9552.4 | 72.5° | 6361.7 | 2667.4 | 604.4  | 562.8  | 587.8  | 556.6  | 590.9  | 559.7  | 502.5  | 483.8  |
| 8248.8 | 75°   | 5263.1 | 2001.6 | 465.0  | 486.9  | 505.6  | 481.7  | 504.6  | 481.7  | 429.7  | 443.2  |
| 6093.3 | 77.5° | 3822.2 | 1351.4 | 355.8  | 406.8  | 415.1  | 402.6  | 422.4  | 396.4  | 349.6  | 346.4  |
| 3036.7 | 80°   | 1900.7 | 791.7  | 278.8  | 321.5  | 318.3  | 310.0  | 332.9  | 320.4  | 280.9  | 297.5  |
| 819.8  | 82.5° | 550.3  | 339.1  | 202.9  | 225.8  | 219.5  | 221.6  | 238.2  | 244.5  | 366.2  | 363.1  |
| 254.9  | 85°   | 172.7  | 133.2  | 121.7  | 125.9  | 119.6  | 122.8  | 140.4  | 278.8  | 258.0  | 150.8  |
| 79.1   | 87.5° | 44.7   | 45.8   | 30.2   | 32.3   | 33.3   | 39.5   | 44.7   | 169.6  | 81.1   | 53.1   |
| 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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| 180°   |
|--------|
| 3549.6 |
| 3380.1 |
| 3015.9 |
| 2513.5 |
| 2123.3 |
| 1942.3 |
| 1812.3 |
| 1767.5 |
| 1754.0 |
| 1703.0 |
| 1617.7 |
| 1548.0 |
| 1482.5 |
| 1410.7 |
| 1330.6 |
| 1240.1 |
| 1098.6 |
| 1032.0 |
| 1073.6 |
| 1044.5 |
| 924.9  |
| 844.8  |
| 805.2  |
| 755.3  |
| 707.4  |
| 659.6  |
| 615.9  |
| 573.2  |
| 523.3  |
| 468.2  |
| 404.7  |
| 330.8  |
| 294.4  |
| 371.4  |
| 163.3  |
| 56.2   |
| 0.0    |