

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: P940386

Luminaire Tested: **GLAN-SB3B-935-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-935-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9218 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.2  
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

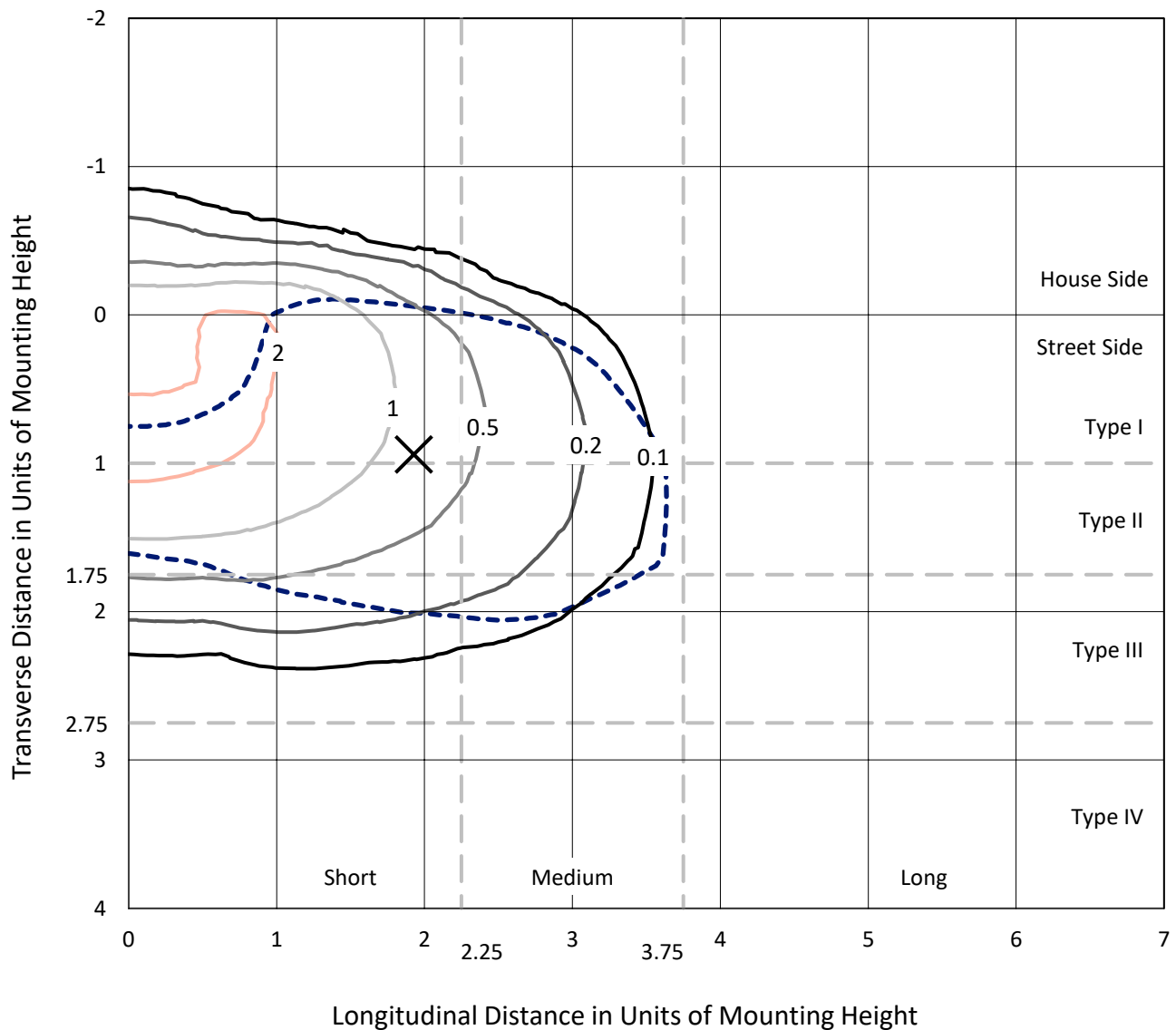


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## Iso-Footcandle Lines of Horizontal Illumination

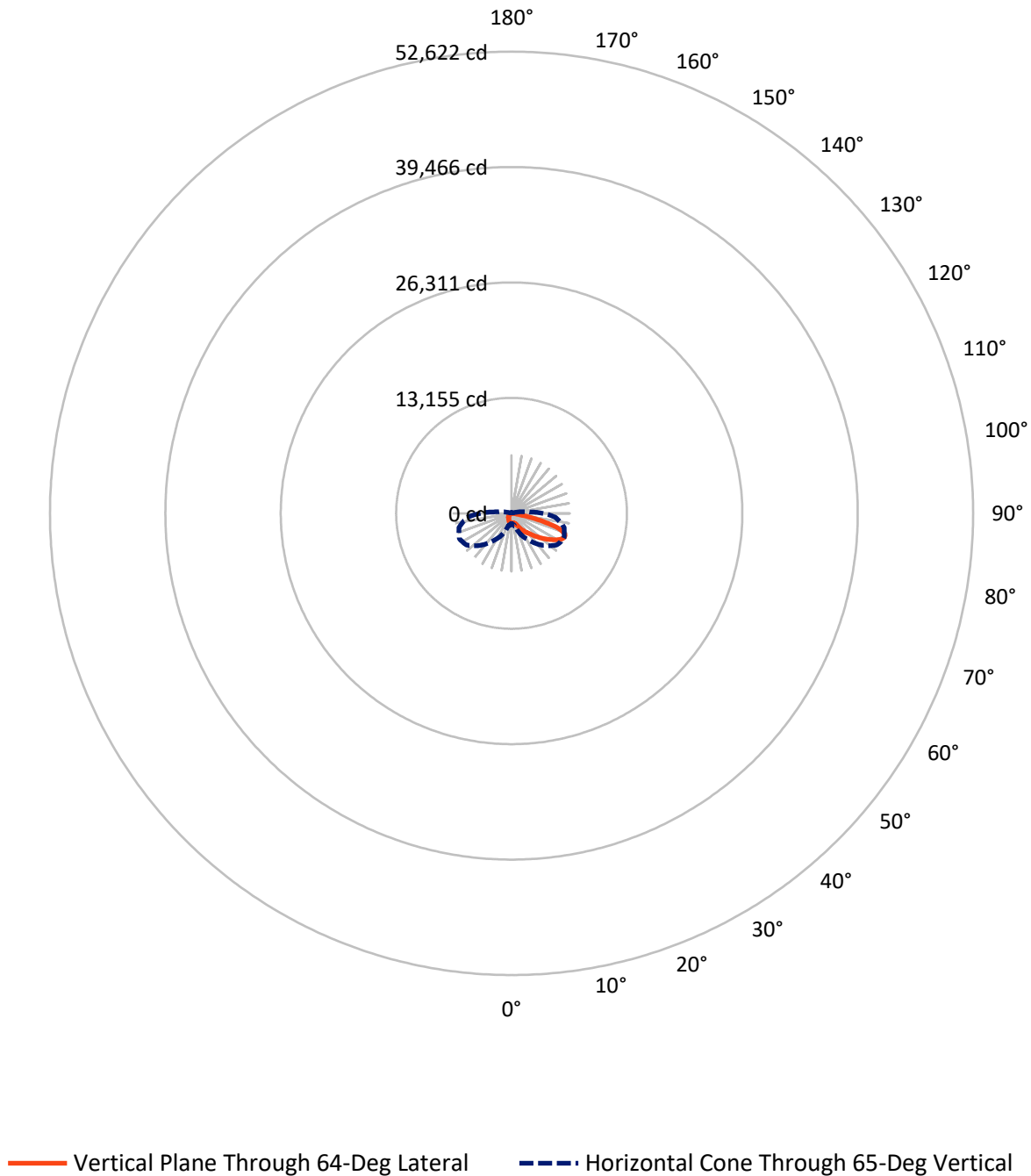
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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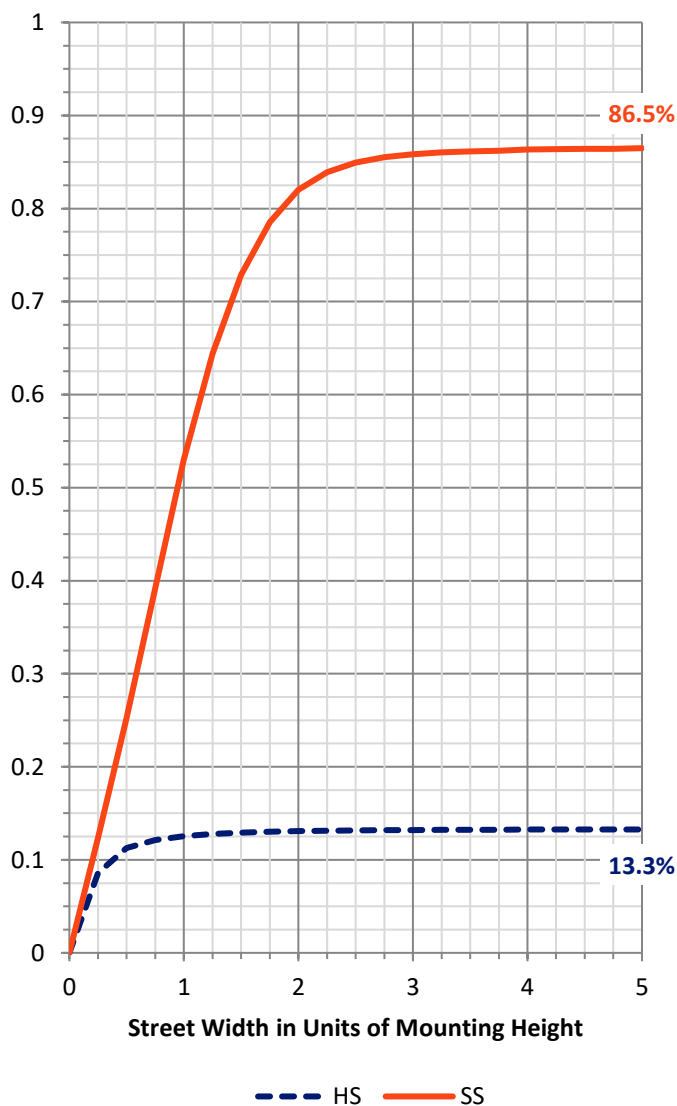
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1232.7   | 0.0    | 1232.7 |
|                    | % Fixture | 13.4     | 0.0    | 13.4   |
| <b>Street Side</b> | Lumens    | 7985.3   | 0.0    | 7985.3 |
|                    | % Fixture | 86.6     | 0.0    | 86.6   |
| <b>Total</b>       | Lumens    | 9218.0   | 0.0    | 9218.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.9   | 1.1       |
| 10°-20°   | 268.3  | 2.9       |
| 20°-30°   | 508.4  | 5.5       |
| 30°-40°   | 1028.7 | 11.2      |
| 40°-50°   | 1752.5 | 19.0      |
| 50°-60°   | 2383.2 | 25.9      |
| 60°-70°   | 2238.0 | 24.3      |
| 70°-80°   | 896.6  | 9.7       |
| 80°-90°   | 43.4   | 0.5       |
| 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°    | 9218.0 | 100.0     |
| 0°-180°   | 9218.0 | 100.0     |

**Coefficient of Utilization**



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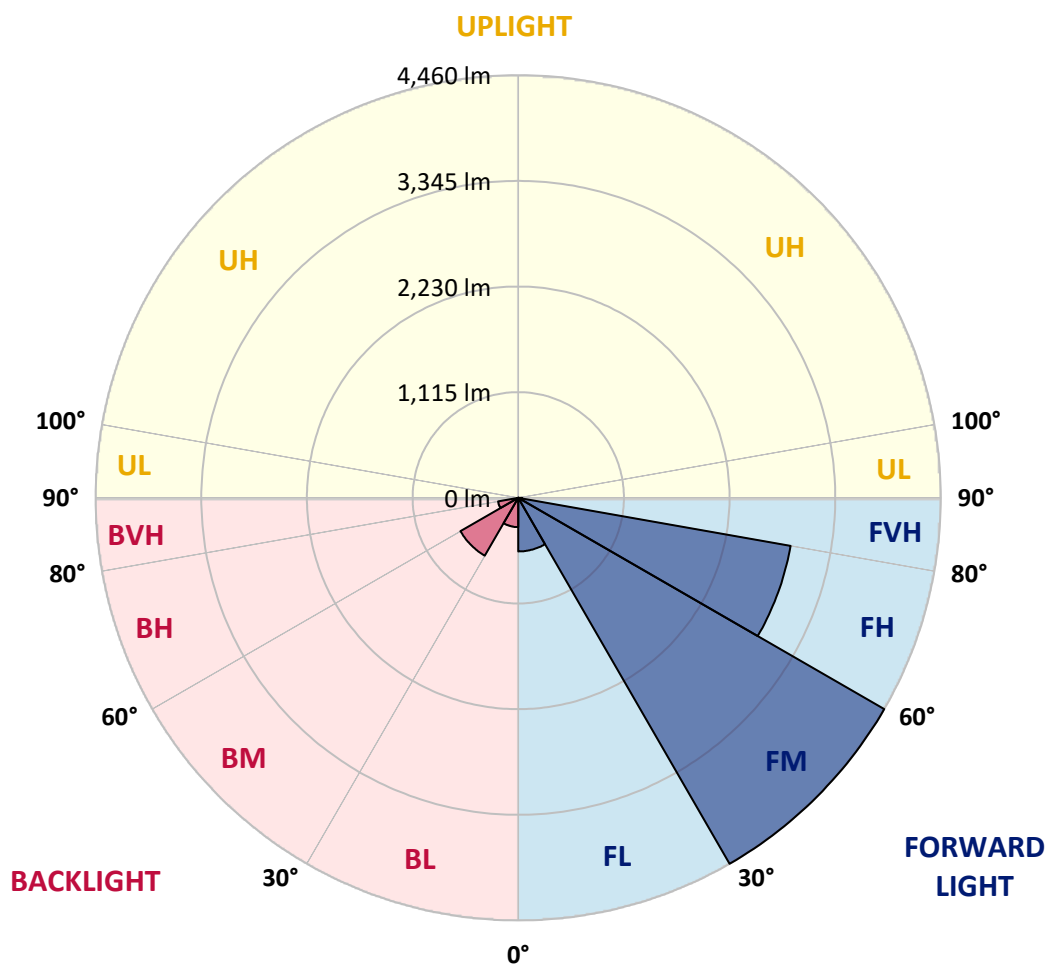
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 566.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 4459.7 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 2918.2 | 31.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 41.3   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 309.5  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 704.7  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 216.4  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.1    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 |
| 2.5°  | 1068.4 | 1075.9 | 1074.0 | 1072.1 | 1071.5 | 1072.8 | 1073.4 | 1072.8 | 1072.8 | 1072.8 |
| 5°    | 1048.0 | 1054.2 | 1054.2 | 1058.6 | 1064.7 | 1072.1 | 1077.7 | 1078.9 | 1080.2 | 1082.0 |
| 7.5°  | 1009.1 | 1014.1 | 1017.8 | 1032.0 | 1047.4 | 1067.2 | 1083.9 | 1092.5 | 1093.8 | 1100.6 |
| 10°   | 982.5  | 988.7  | 994.9  | 1009.7 | 1032.0 | 1061.6 | 1090.1 | 1111.1 | 1114.2 | 1130.2 |
| 12.5° | 981.3  | 987.5  | 995.5  | 1011.6 | 1037.5 | 1069.1 | 1103.7 | 1133.9 | 1139.5 | 1163.0 |
| 15°   | 994.3  | 1001.7 | 1009.1 | 1028.9 | 1056.7 | 1095.0 | 1132.1 | 1169.8 | 1175.3 | 1208.7 |
| 17.5° | 1020.9 | 1030.7 | 1036.3 | 1056.1 | 1085.7 | 1128.4 | 1177.2 | 1220.5 | 1225.4 | 1264.3 |
| 20°   | 1073.4 | 1085.1 | 1087.0 | 1103.0 | 1132.1 | 1177.8 | 1235.9 | 1289.7 | 1295.8 | 1340.3 |
| 22.5° | 1182.1 | 1198.8 | 1184.0 | 1192.0 | 1218.0 | 1263.7 | 1326.7 | 1394.7 | 1403.4 | 1454.0 |
| 25°   | 1373.7 | 1397.2 | 1358.9 | 1345.3 | 1356.4 | 1404.0 | 1483.1 | 1569.0 | 1578.9 | 1619.7 |
| 27.5° | 1750.0 | 1719.8 | 1661.7 | 1604.8 | 1571.5 | 1598.6 | 1687.6 | 1793.9 | 1806.3 | 1845.8 |
| 30°   | 2163.5 | 2136.9 | 2058.4 | 1932.3 | 1853.2 | 1848.9 | 1931.1 | 2049.8 | 2064.0 | 2101.7 |
| 32.5° | 2577.5 | 2552.1 | 2466.9 | 2311.8 | 2174.6 | 2106.6 | 2163.5 | 2295.1 | 2302.5 | 2326.6 |
| 35°   | 2984.7 | 2958.8 | 2873.5 | 2714.7 | 2546.0 | 2391.5 | 2380.4 | 2528.7 | 2531.1 | 2556.5 |
| 37.5° | 3394.4 | 3372.8 | 3282.0 | 3126.2 | 2960.0 | 2746.8 | 2643.6 | 2749.9 | 2753.0 | 2777.7 |
| 40°   | 3686.7 | 3696.0 | 3633.6 | 3513.1 | 3370.3 | 3137.3 | 2939.0 | 2985.3 | 2966.8 | 3008.2 |
| 42.5° | 3937.6 | 3956.1 | 3901.8 | 3841.2 | 3758.4 | 3553.2 | 3304.8 | 3296.8 | 3267.1 | 3289.4 |
| 45°   | 4154.5 | 4169.9 | 4121.1 | 4106.9 | 4105.1 | 3961.1 | 3704.6 | 3656.4 | 3615.0 | 3610.7 |
| 47.5° | 4234.2 | 4263.9 | 4284.9 | 4332.5 | 4425.2 | 4364.6 | 4118.0 | 4043.3 | 3996.9 | 3962.9 |
| 50°   | 4264.5 | 4296.0 | 4367.7 | 4506.1 | 4725.5 | 4751.4 | 4529.6 | 4445.6 | 4388.7 | 4326.9 |
| 52.5° | 4223.7 | 4279.9 | 4376.3 | 4609.3 | 4927.6 | 5061.7 | 4924.5 | 4850.9 | 4786.0 | 4685.3 |
| 55°   | 3983.3 | 4039.6 | 4236.7 | 4608.1 | 5028.3 | 5279.2 | 5297.7 | 5265.0 | 5192.0 | 5033.2 |
| 57.5° | 3476.6 | 3560.0 | 3872.1 | 4451.1 | 5026.4 | 5466.4 | 5663.5 | 5687.0 | 5605.5 | 5378.0 |
| 60°   | 2774.6 | 2887.7 | 3268.4 | 4103.2 | 4871.3 | 5567.8 | 5984.3 | 6101.7 | 6015.2 | 5717.9 |
| 62.5° | 1936.0 | 2067.1 | 2427.3 | 3558.2 | 4516.6 | 5494.8 | 6218.5 | 6435.4 | 6369.9 | 6022.0 |
| 65°   | 1180.9 | 1222.9 | 1513.4 | 2799.9 | 3913.5 | 5189.6 | 6290.8 | 6615.8 | 6594.2 | 6208.0 |
| 67.5° | 786.7  | 821.9  | 905.3  | 1920.0 | 3037.9 | 4579.7 | 6117.7 | 6584.3 | 6590.5 | 6177.7 |
| 70°   | 474.0  | 504.2  | 558.6  | 1116.6 | 1968.8 | 3624.9 | 5582.0 | 6182.6 | 6218.5 | 5772.9 |
| 72.5° | 195.3  | 215.7  | 265.1  | 506.1  | 1019.6 | 2300.6 | 4444.9 | 5308.2 | 5391.6 | 4854.0 |
| 75°   | 110.6  | 121.1  | 155.7  | 254.0  | 442.5  | 1072.1 | 2692.4 | 3768.3 | 3891.3 | 3345.6 |
| 77.5° | 73.5   | 78.5   | 100.7  | 164.4  | 249.0  | 365.8  | 1150.6 | 1963.2 | 2198.1 | 1827.3 |
| 80°   | 49.4   | 53.8   | 69.2   | 110.0  | 161.9  | 157.0  | 366.4  | 727.3  | 894.8  | 627.8  |
| 82.5° | 33.4   | 34.0   | 49.4   | 72.3   | 102.6  | 76.0   | 108.1  | 226.2  | 284.3  | 181.7  |
| 85°   | 19.2   | 18.5   | 36.5   | 42.0   | 45.7   | 31.5   | 32.8   | 68.0   | 89.0   | 76.6   |
| 87.5° | 2.5    | 3.7    | 14.2   | 11.1   | 6.2    | 6.8    | 6.8    | 11.7   | 17.3   | 18.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1072.1 | 0°    | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 | 1072.1 |
| 1073.4 | 2.5°  | 1073.4 | 1072.8 | 1070.9 | 1069.1 | 1064.7 | 1062.3 | 1063.5 | 1062.3 | 1061.6 | 1062.3 |
| 1081.4 | 5°    | 1081.4 | 1079.6 | 1074.6 | 1068.4 | 1059.8 | 1049.3 | 1042.5 | 1032.6 | 1023.3 | 1017.8 |
| 1103.0 | 7.5°  | 1103.0 | 1101.2 | 1094.4 | 1077.1 | 1049.3 | 1005.4 | 965.2  | 930.0  | 903.4  | 888.0  |
| 1137.7 | 10°   | 1137.7 | 1134.6 | 1124.1 | 1085.7 | 1012.8 | 917.0  | 837.3  | 771.2  | 727.9  | 707.6  |
| 1178.4 | 12.5° | 1178.4 | 1174.7 | 1156.2 | 1077.7 | 943.6  | 794.1  | 684.1  | 610.5  | 570.4  | 552.5  |
| 1225.4 | 15°   | 1226.6 | 1221.7 | 1185.2 | 1039.4 | 842.9  | 658.1  | 557.4  | 502.4  | 476.4  | 460.4  |
| 1285.3 | 17.5° | 1286.6 | 1277.9 | 1206.9 | 981.9  | 733.5  | 554.3  | 479.5  | 438.1  | 415.3  | 399.8  |
| 1363.8 | 20°   | 1364.4 | 1350.2 | 1224.2 | 913.3  | 632.8  | 488.8  | 427.0  | 392.4  | 375.1  | 361.5  |
| 1475.1 | 22.5° | 1473.2 | 1452.8 | 1245.2 | 839.2  | 561.7  | 443.7  | 388.1  | 362.7  | 348.5  | 333.1  |
| 1630.2 | 25°   | 1607.9 | 1583.8 | 1271.1 | 770.6  | 512.9  | 404.8  | 359.6  | 338.6  | 322.0  | 304.0  |
| 1833.5 | 27.5° | 1796.4 | 1753.1 | 1302.0 | 714.4  | 470.9  | 371.4  | 333.7  | 310.2  | 291.1  | 276.2  |
| 2064.0 | 30°   | 2006.5 | 1935.4 | 1329.2 | 680.4  | 432.6  | 340.5  | 299.7  | 276.2  | 258.3  | 247.8  |
| 2271.0 | 32.5° | 2205.5 | 2109.1 | 1347.1 | 665.5  | 398.0  | 305.3  | 262.6  | 237.3  | 223.7  | 220.6  |
| 2473.7 | 35°   | 2393.3 | 2266.0 | 1345.3 | 651.3  | 367.1  | 270.0  | 226.2  | 200.2  | 189.7  | 191.6  |
| 2691.8 | 37.5° | 2609.6 | 2433.5 | 1332.3 | 629.1  | 341.7  | 237.9  | 194.7  | 171.8  | 162.5  | 163.1  |
| 2956.9 | 40°   | 2861.1 | 2626.9 | 1324.3 | 587.1  | 313.9  | 208.3  | 168.7  | 150.2  | 143.4  | 140.9  |
| 3236.2 | 42.5° | 3129.3 | 2814.2 | 1325.5 | 539.5  | 279.3  | 181.7  | 150.8  | 135.3  | 129.2  | 127.3  |
| 3547.1 | 45°   | 3398.7 | 2992.7 | 1327.4 | 490.0  | 242.9  | 161.3  | 137.8  | 124.8  | 121.1  | 118.6  |
| 3862.2 | 47.5° | 3652.1 | 3144.8 | 1292.8 | 436.9  | 207.0  | 145.8  | 127.3  | 118.6  | 115.6  | 112.5  |
| 4178.6 | 50°   | 3888.2 | 3246.1 | 1209.3 | 375.1  | 178.6  | 133.5  | 119.3  | 113.1  | 110.0  | 106.9  |
| 4465.3 | 52.5° | 4071.7 | 3262.2 | 1071.5 | 311.4  | 158.8  | 124.2  | 114.3  | 108.8  | 105.1  | 102.0  |
| 4697.1 | 55°   | 4153.3 | 3161.4 | 875.6  | 252.1  | 143.4  | 116.2  | 109.4  | 103.8  | 99.5   | 96.4   |
| 4879.4 | 57.5° | 4132.3 | 2949.5 | 682.8  | 202.7  | 128.5  | 108.1  | 103.2  | 99.5   | 94.5   | 89.6   |
| 5027.1 | 60°   | 4029.1 | 2665.9 | 514.8  | 168.7  | 114.9  | 99.5   | 96.4   | 93.3   | 86.5   | 79.1   |
| 5083.9 | 62.5° | 3850.5 | 2309.3 | 367.1  | 139.7  | 100.1  | 89.6   | 88.4   | 85.9   | 76.0   | 62.4   |
| 4999.9 | 65°   | 3577.3 | 1876.1 | 247.2  | 116.2  | 85.9   | 78.5   | 79.1   | 74.8   | 61.8   | 46.3   |
| 4692.1 | 67.5° | 3178.1 | 1371.9 | 158.2  | 95.2   | 71.7   | 65.5   | 66.1   | 63.6   | 52.5   | 39.5   |
| 4108.8 | 70°   | 2669.6 | 908.4  | 103.2  | 72.3   | 57.5   | 50.7   | 54.4   | 55.0   | 44.5   | 32.1   |
| 3153.4 | 72.5° | 1957.1 | 536.4  | 72.3   | 53.8   | 42.0   | 35.2   | 44.5   | 45.7   | 35.8   | 24.1   |
| 1897.1 | 75°   | 1115.4 | 254.6  | 54.4   | 38.9   | 26.0   | 24.7   | 34.6   | 34.6   | 24.7   | 16.1   |
| 821.3  | 77.5° | 468.4  | 106.3  | 38.3   | 25.3   | 14.8   | 14.2   | 23.5   | 21.6   | 12.4   | 7.4    |
| 200.2  | 80°   | 135.3  | 47.6   | 20.4   | 12.4   | 6.2    | 5.6    | 9.3    | 6.8    | 3.1    | 1.2    |
| 76.0   | 82.5° | 53.1   | 21.0   | 8.0    | 4.9    | 2.5    | 2.5    | 1.2    | 0.0    | 0.0    | 0.0    |
| 43.3   | 85°   | 31.5   | 8.7    | 3.7    | 1.9    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 9.3    | 87.5° | 8.0    | 1.9    | 1.2    | 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°   |
|--------|
| 1072.1 |
| 1064.7 |
| 1019.0 |
| 888.6  |
| 705.7  |
| 550.6  |
| 461.0  |
| 398.6  |
| 359.0  |
| 330.6  |
| 302.2  |
| 273.1  |
| 245.9  |
| 222.5  |
| 191.6  |
| 165.6  |
| 140.3  |
| 126.7  |
| 118.6  |
| 112.5  |
| 106.9  |
| 101.3  |
| 95.8   |
| 89.0   |
| 77.9   |
| 61.2   |
| 45.1   |
| 37.7   |
| 30.9   |
| 22.9   |
| 14.8   |
| 7.4    |
| 1.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |