

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: P945255

Luminaire Tested: **GLAN-SB1B-735-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945255  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-735-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

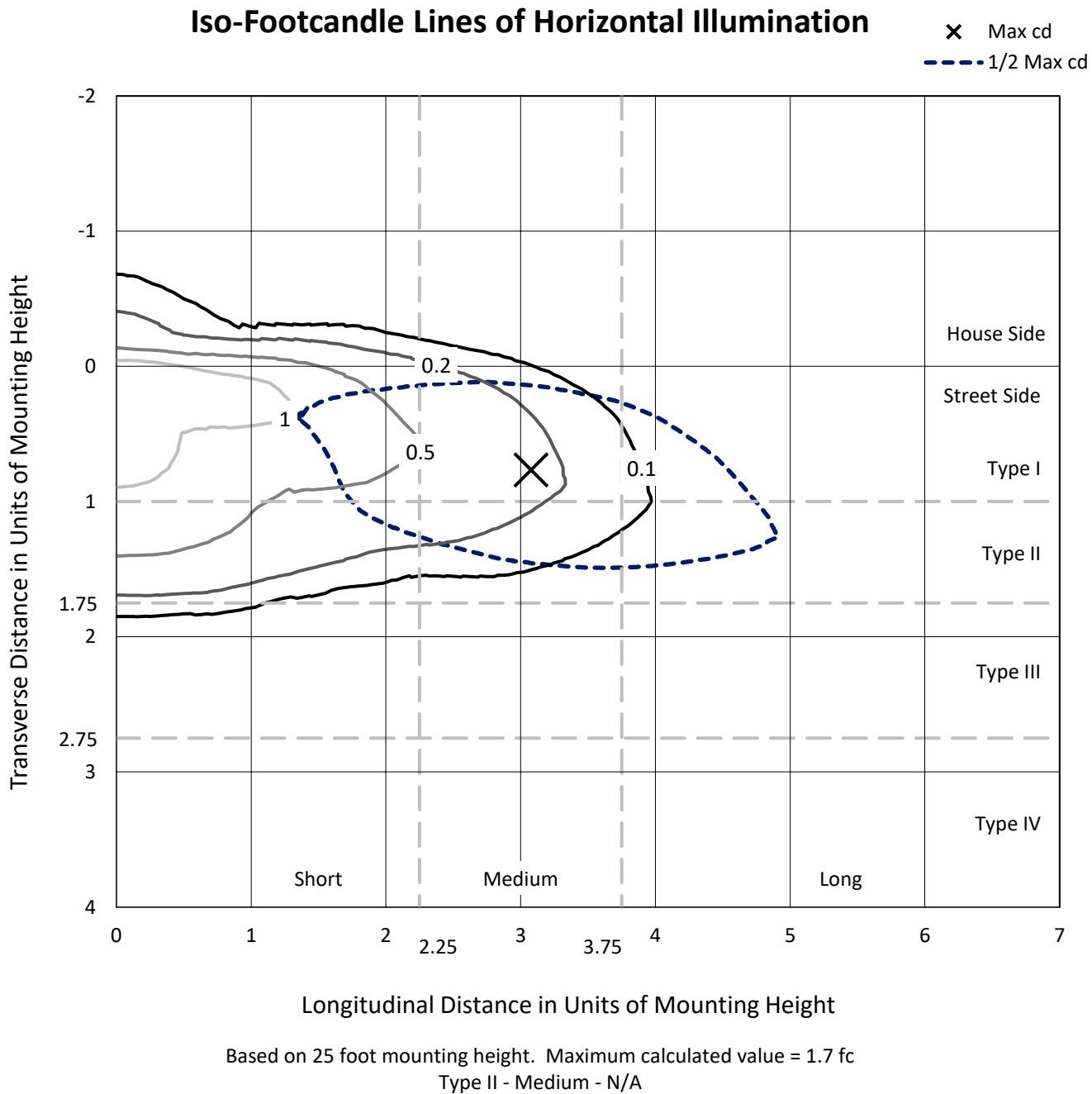
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4566 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8  
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

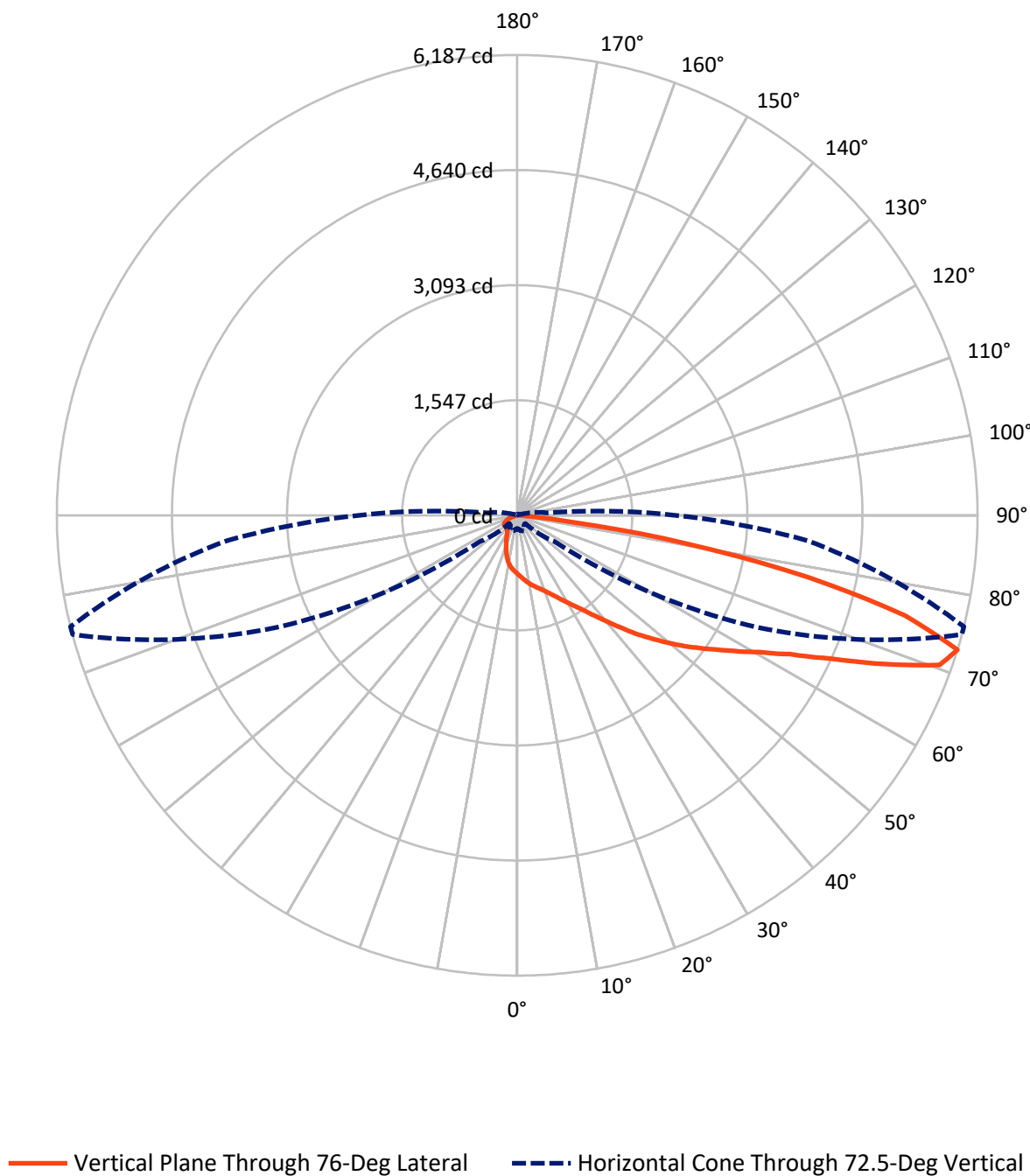


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## Luminous Intensity Polar Plot



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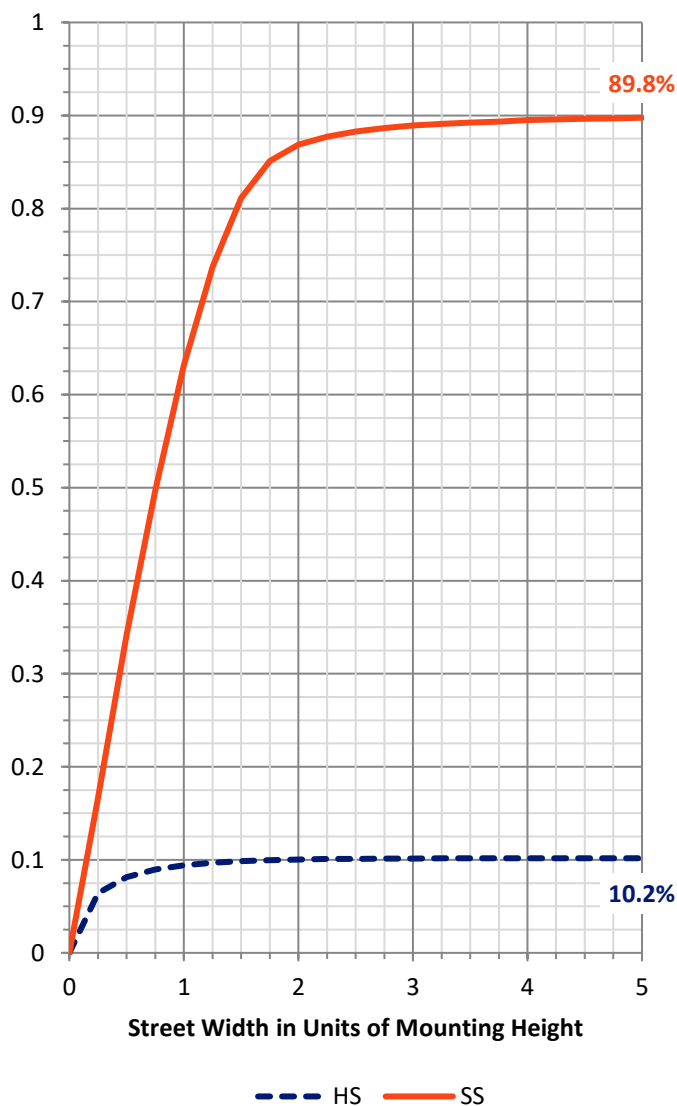
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 467.3    | 0.0    | 467.3  |
|                    | % Fixture | 10.2     | 0.0    | 10.2   |
| <b>Street Side</b> | Lumens    | 4098.7   | 0.0    | 4098.7 |
|                    | % Fixture | 89.8     | 0.0    | 89.8   |
| <b>Total</b>       | Lumens    | 4566.0   | 0.0    | 4566.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.8   | 1.6       |
| 10°-20°   | 192.4  | 4.2       |
| 20°-30°   | 304.5  | 6.7       |
| 30°-40°   | 471.2  | 10.3      |
| 40°-50°   | 715.6  | 15.7      |
| 50°-60°   | 986.6  | 21.6      |
| 60°-70°   | 1042.3 | 22.8      |
| 70°-80°   | 715.0  | 15.7      |
| 80°-90°   | 66.6   | 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°    | 4566.0 | 100.0     |
| 0°-180°   | 4566.0 | 100.0     |

**Coefficient of Utilization**



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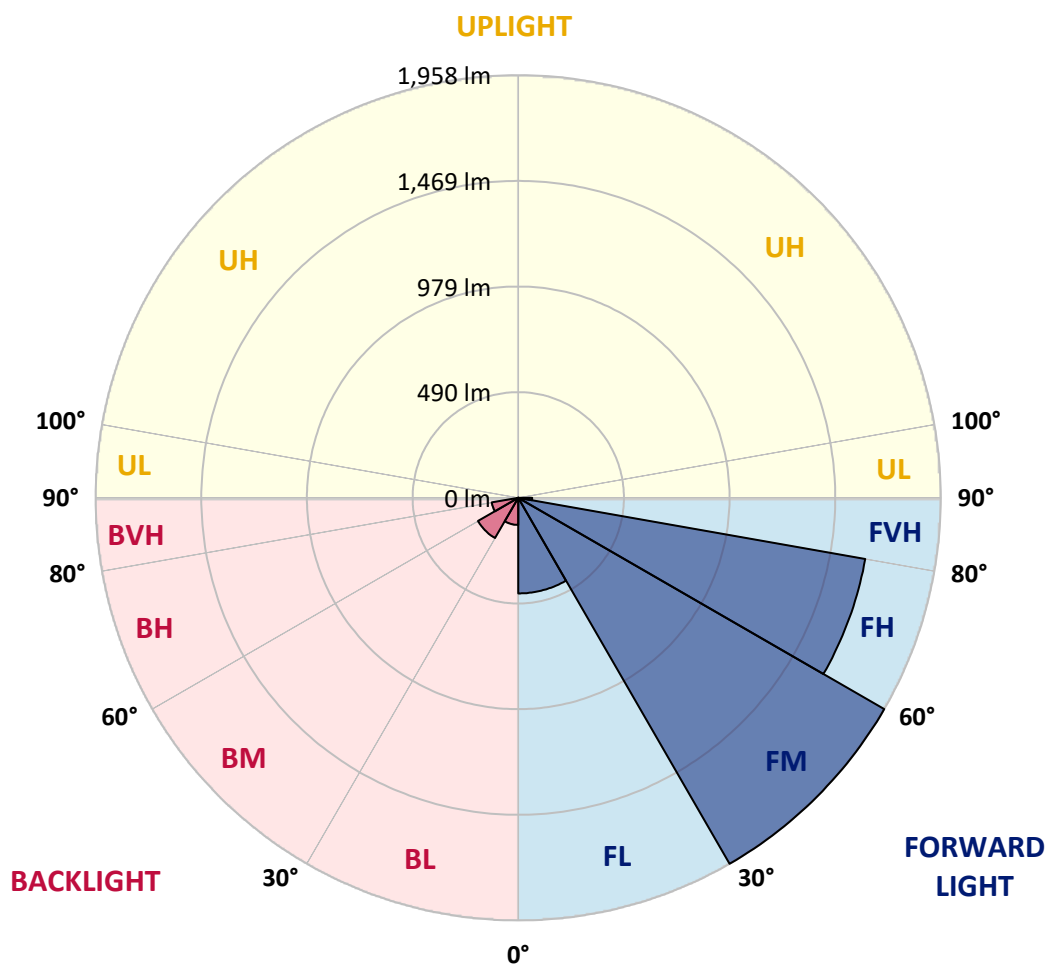
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 443.1  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 1958.3 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 1632.5 | 35.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 64.8   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 125.6  | 2.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 215.2  | 4.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 124.8  | 2.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.8    | 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-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 76°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  | 789.0  |
| 2.5°  | 917.3  | 905.2  | 907.5  | 895.4  | 889.7  | 876.1  | 861.9  | 843.2  | 822.5  | 822.5  |
| 5°    | 1013.9 | 1006.2 | 1006.2 | 991.9  | 981.0  | 959.6  | 934.2  | 901.3  | 862.2  | 858.4  |
| 7.5°  | 1073.1 | 1068.3 | 1071.3 | 1063.0 | 1054.1 | 1031.9 | 1001.7 | 958.8  | 903.4  | 898.6  |
| 10°   | 1084.6 | 1084.3 | 1092.6 | 1095.0 | 1100.9 | 1089.7 | 1062.7 | 1013.3 | 944.0  | 937.1  |
| 12.5° | 1039.9 | 1034.3 | 1054.7 | 1078.7 | 1112.5 | 1127.6 | 1113.7 | 1063.0 | 981.0  | 971.5  |
| 15°   | 966.5  | 967.6  | 987.2  | 1024.2 | 1080.5 | 1134.4 | 1152.5 | 1111.6 | 1018.6 | 1007.3 |
| 17.5° | 924.4  | 920.0  | 936.8  | 970.0  | 1032.2 | 1108.3 | 1170.5 | 1156.9 | 1058.6 | 1045.8 |
| 20°   | 919.4  | 919.1  | 922.9  | 938.0  | 985.4  | 1071.0 | 1168.5 | 1201.0 | 1105.7 | 1090.9 |
| 22.5° | 954.3  | 953.7  | 950.5  | 947.5  | 960.5  | 1034.6 | 1159.6 | 1243.1 | 1161.9 | 1146.0 |
| 25°   | 1007.9 | 1007.0 | 1002.0 | 983.9  | 971.2  | 1015.0 | 1151.3 | 1282.2 | 1228.6 | 1210.8 |
| 27.5° | 1073.4 | 1072.8 | 1063.6 | 1036.4 | 1003.5 | 1016.8 | 1147.1 | 1322.5 | 1305.6 | 1288.1 |
| 30°   | 1153.7 | 1152.5 | 1133.5 | 1095.0 | 1052.1 | 1045.0 | 1152.8 | 1367.8 | 1385.9 | 1372.5 |
| 32.5° | 1254.4 | 1251.1 | 1226.2 | 1168.2 | 1108.0 | 1082.6 | 1163.4 | 1414.3 | 1480.9 | 1468.5 |
| 35°   | 1332.3 | 1327.2 | 1312.7 | 1261.5 | 1172.9 | 1128.8 | 1188.3 | 1469.4 | 1595.3 | 1584.3 |
| 37.5° | 1399.2 | 1394.2 | 1382.3 | 1340.3 | 1265.9 | 1187.7 | 1228.3 | 1542.8 | 1730.3 | 1725.0 |
| 40°   | 1471.5 | 1463.2 | 1457.5 | 1412.5 | 1345.3 | 1272.7 | 1285.5 | 1628.7 | 1885.8 | 1886.4 |
| 42.5° | 1527.1 | 1523.9 | 1524.5 | 1489.8 | 1422.0 | 1373.4 | 1361.3 | 1725.6 | 2072.1 | 2077.8 |
| 45°   | 1574.8 | 1572.2 | 1583.1 | 1558.8 | 1499.3 | 1439.5 | 1450.1 | 1835.2 | 2275.9 | 2287.5 |
| 47.5° | 1611.6 | 1614.5 | 1630.2 | 1614.5 | 1579.6 | 1486.0 | 1528.9 | 1953.4 | 2490.1 | 2491.5 |
| 50°   | 1648.3 | 1649.5 | 1675.5 | 1667.8 | 1653.6 | 1544.9 | 1601.5 | 2085.5 | 2715.7 | 2718.4 |
| 52.5° | 1659.8 | 1658.1 | 1699.5 | 1718.5 | 1719.1 | 1617.8 | 1695.4 | 2229.4 | 2937.0 | 2945.6 |
| 55°   | 1600.6 | 1605.6 | 1672.6 | 1749.6 | 1780.1 | 1718.5 | 1822.1 | 2411.6 | 3172.8 | 3176.3 |
| 57.5° | 1310.9 | 1338.8 | 1486.9 | 1665.5 | 1819.5 | 1862.7 | 2004.3 | 2624.5 | 3445.0 | 3441.7 |
| 60°   | 795.6  | 828.7  | 1005.9 | 1396.8 | 1690.9 | 2007.6 | 2272.6 | 2954.5 | 3742.3 | 3733.2 |
| 62.5° | 444.9  | 454.9  | 511.5  | 836.1  | 1286.0 | 1915.4 | 2534.8 | 3378.3 | 4141.6 | 4110.5 |
| 65°   | 327.9  | 331.1  | 344.5  | 409.6  | 632.1  | 1473.2 | 2477.3 | 3885.1 | 4702.6 | 4647.2 |
| 67.5° | 284.9  | 288.2  | 301.2  | 310.1  | 282.3  | 773.9  | 2041.0 | 4166.2 | 5414.9 | 5342.3 |
| 70°   | 239.9  | 241.7  | 262.7  | 268.6  | 202.0  | 294.4  | 1311.2 | 4079.4 | 6074.2 | 6022.4 |
| 72.5° | 178.9  | 186.0  | 216.5  | 230.7  | 162.0  | 156.4  | 617.3  | 3566.7 | 6185.9 | 6186.5 |
| 75°   | 121.4  | 128.0  | 162.9  | 189.9  | 125.0  | 109.6  | 249.1  | 2663.3 | 5386.5 | 5386.5 |
| 77.5° | 82.9   | 88.3   | 113.4  | 149.0  | 94.8   | 75.2   | 129.1  | 1690.3 | 3864.4 | 4000.3 |
| 80°   | 36.7   | 40.0   | 73.2   | 108.1  | 72.0   | 48.6   | 73.2   | 925.6  | 2336.9 | 2308.2 |
| 82.5° | 18.1   | 20.7   | 46.8   | 67.5   | 46.5   | 29.9   | 38.5   | 440.1  | 757.4  | 719.7  |
| 85°   | 3.6    | 4.7    | 25.2   | 28.7   | 21.6   | 13.3   | 14.5   | 135.4  | 91.2   | 104.3  |
| 87.5° | 0.0    | 0.0    | 7.7    | 5.3    | 2.4    | 3.0    | 3.0    | 12.1   | 7.1    | 8.3    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 789.0  | 0°    | 789.0  | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 | 789.0 |
| 802.4  | 2.5°  | 791.7  | 780.8 | 756.8 | 733.1 | 708.8 | 686.6 | 671.2 | 655.8 | 646.3 | 642.1 |
| 820.1  | 5°    | 797.9  | 775.7 | 725.4 | 672.6 | 620.5 | 569.6 | 531.4 | 495.5 | 484.3 | 465.6 |
| 841.2  | 7.5°  | 807.7  | 771.6 | 692.2 | 603.3 | 518.6 | 444.0 | 390.1 | 347.1 | 330.0 | 313.4 |
| 859.2  | 10°   | 814.2  | 763.9 | 648.4 | 529.6 | 415.0 | 331.1 | 279.6 | 248.5 | 237.2 | 227.2 |
| 876.1  | 12.5° | 816.9  | 749.7 | 598.0 | 446.9 | 322.8 | 252.4 | 221.5 | 207.0 | 203.2 | 199.6 |
| 892.1  | 15°   | 819.3  | 735.7 | 541.7 | 367.3 | 255.0 | 211.2 | 199.0 | 194.3 | 191.6 | 189.3 |
| 908.4  | 17.5° | 821.3  | 718.0 | 477.5 | 298.6 | 215.3 | 194.6 | 188.7 | 183.6 | 181.6 | 178.9 |
| 931.8  | 20°   | 828.4  | 700.8 | 420.0 | 246.4 | 193.7 | 182.7 | 176.2 | 170.9 | 169.1 | 167.3 |
| 965.0  | 22.5° | 841.8  | 686.9 | 364.3 | 211.2 | 180.7 | 170.6 | 162.3 | 156.4 | 155.2 | 154.0 |
| 1005.3 | 25°   | 857.8  | 669.7 | 311.9 | 188.4 | 167.9 | 156.7 | 147.5 | 142.5 | 141.3 | 141.6 |
| 1051.8 | 27.5° | 878.2  | 650.7 | 266.9 | 173.9 | 156.7 | 143.7 | 133.3 | 129.4 | 130.0 | 131.2 |
| 1105.4 | 30°   | 900.7  | 633.2 | 231.6 | 163.8 | 146.6 | 132.1 | 121.7 | 119.1 | 121.1 | 122.9 |
| 1177.1 | 32.5° | 934.2  | 617.8 | 207.0 | 155.8 | 137.7 | 122.6 | 114.3 | 111.1 | 113.4 | 115.8 |
| 1268.6 | 35°   | 979.8  | 610.1 | 193.1 | 149.0 | 130.0 | 115.2 | 106.9 | 104.6 | 106.9 | 107.5 |
| 1380.2 | 37.5° | 1035.8 | 609.6 | 187.2 | 143.4 | 122.9 | 109.0 | 99.8  | 98.9  | 100.7 | 101.0 |
| 1514.4 | 40°   | 1108.0 | 613.4 | 182.7 | 139.2 | 115.5 | 101.9 | 93.3  | 92.4  | 93.0  | 95.1  |
| 1675.8 | 42.5° | 1199.6 | 629.4 | 176.5 | 133.9 | 107.5 | 94.8  | 88.0  | 85.9  | 85.6  | 88.0  |
| 1856.5 | 45°   | 1314.5 | 664.6 | 168.2 | 125.3 | 100.4 | 88.9  | 82.0  | 79.7  | 78.8  | 79.4  |
| 2043.1 | 47.5° | 1439.8 | 707.9 | 159.9 | 117.3 | 95.4  | 84.1  | 77.3  | 74.3  | 72.9  | 72.9  |
| 2217.6 | 50°   | 1561.2 | 756.8 | 154.3 | 109.0 | 91.8  | 79.7  | 72.3  | 69.3  | 66.9  | 66.3  |
| 2397.0 | 52.5° | 1681.5 | 804.7 | 149.9 | 100.7 | 87.7  | 74.0  | 67.5  | 64.3  | 61.6  | 60.4  |
| 2574.8 | 55°   | 1791.0 | 850.4 | 142.2 | 92.7  | 82.3  | 68.1  | 62.8  | 59.5  | 56.3  | 54.2  |
| 2754.8 | 57.5° | 1896.2 | 888.3 | 128.0 | 84.4  | 74.0  | 62.5  | 57.8  | 54.2  | 50.4  | 47.7  |
| 2937.0 | 60°   | 1991.9 | 907.8 | 110.2 | 75.5  | 65.8  | 56.6  | 52.1  | 48.9  | 43.8  | 39.4  |
| 3116.2 | 62.5° | 2064.7 | 900.1 | 90.9  | 65.5  | 57.2  | 51.2  | 45.6  | 42.4  | 36.4  | 31.1  |
| 3330.9 | 65°   | 2139.4 | 858.1 | 72.6  | 54.8  | 50.1  | 44.1  | 38.2  | 35.0  | 28.1  | 22.5  |
| 3621.5 | 67.5° | 2236.2 | 768.3 | 57.2  | 45.6  | 43.2  | 35.0  | 29.9  | 27.8  | 23.1  | 17.8  |
| 3933.4 | 70°   | 2298.4 | 596.8 | 44.4  | 37.0  | 35.5  | 25.5  | 23.1  | 22.8  | 18.4  | 13.6  |
| 3912.3 | 72.5° | 2127.8 | 391.3 | 34.1  | 28.1  | 25.5  | 16.6  | 17.8  | 17.8  | 13.3  | 9.2   |
| 3429.6 | 75°   | 1776.2 | 229.0 | 24.6  | 20.1  | 14.5  | 10.7  | 12.1  | 12.1  | 8.3   | 4.4   |
| 2444.4 | 77.5° | 1268.6 | 122.0 | 16.3  | 12.4  | 7.4   | 4.7   | 6.5   | 6.2   | 2.7   | 0.3   |
| 958.2  | 80°   | 485.2  | 42.1  | 7.7   | 5.0   | 2.1   | 0.9   | 0.6   | 0.3   | 0.3   | 0.0   |
| 149.6  | 82.5° | 74.0   | 11.0  | 1.5   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 31.7   | 85°   | 13.3   | 1.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 8.3    | 87.5° | 3.0    | 0.0   | 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°  |
|-------|
| 789.0 |
| 642.7 |
| 466.8 |
| 313.1 |
| 226.9 |
| 199.6 |
| 189.3 |
| 178.9 |
| 167.6 |
| 153.1 |
| 141.0 |
| 130.6 |
| 122.3 |
| 115.2 |
| 107.2 |
| 100.4 |
| 94.8  |
| 87.7  |
| 80.3  |
| 72.9  |
| 66.0  |
| 59.8  |
| 53.3  |
| 46.5  |
| 38.2  |
| 29.0  |
| 21.0  |
| 16.6  |
| 12.1  |
| 8.0   |
| 3.6   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |