

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: P940126

Luminaire Tested: **GLAN-SB3A-750-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940126  
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-SB3A-750-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 350mA 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: 11167 lumens  
Efficiency: N/A  
Efficacy: 131.8 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): 84.7  
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



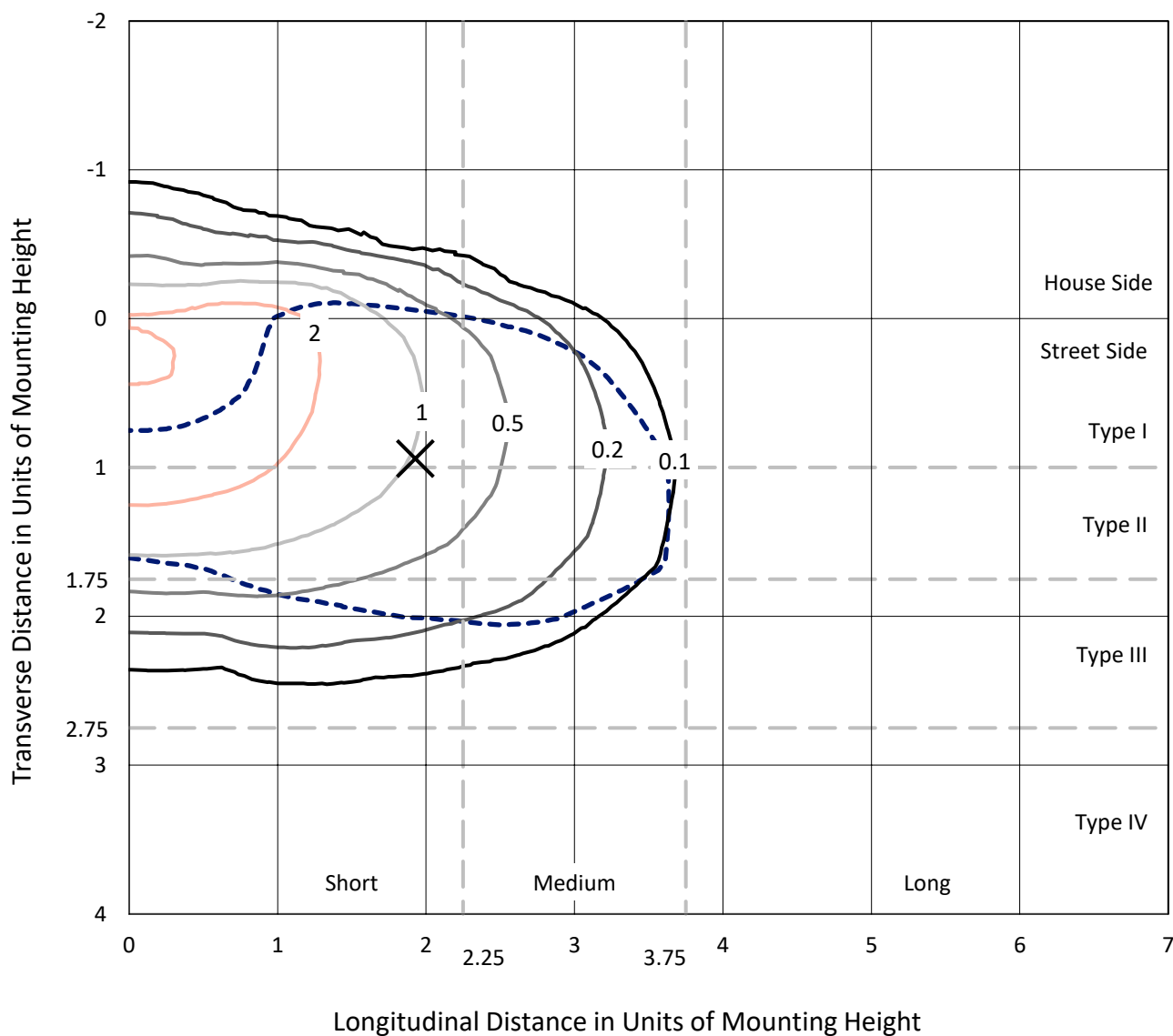
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

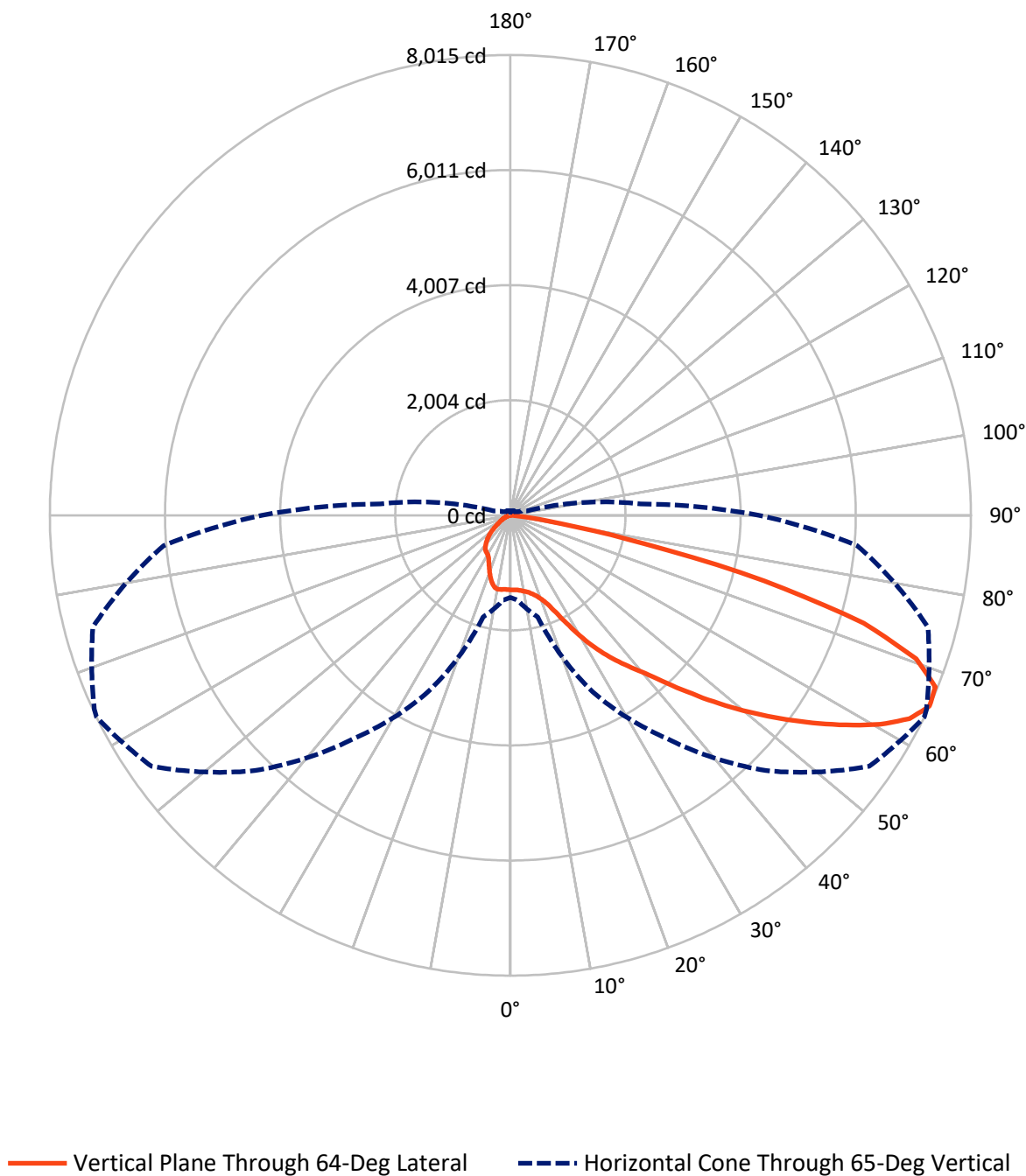


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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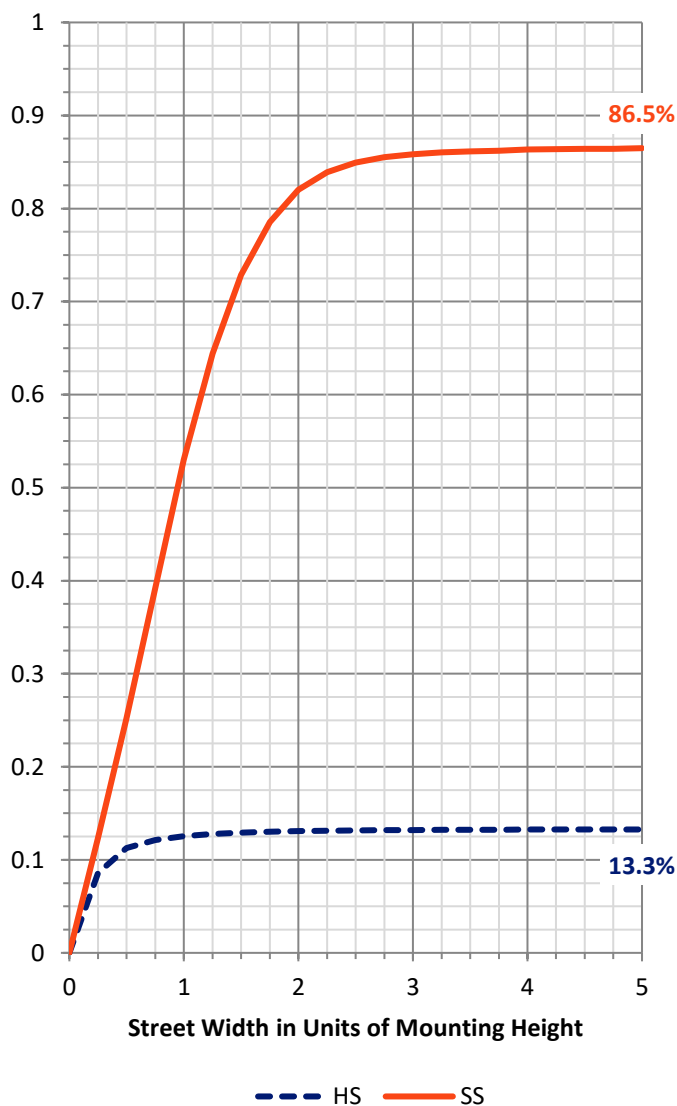
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1493.4   | 0.0    | 1493.4  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 9673.6   | 0.0    | 9673.6  |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 11167.0  | 0.0    | 11167.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 119.8   | 1.1       |
| 10°-20°   | 325.0   | 2.9       |
| 20°-30°   | 615.9   | 5.5       |
| 30°-40°   | 1246.2  | 11.2      |
| 40°-50°   | 2123.0  | 19.0      |
| 50°-60°   | 2887.1  | 25.9      |
| 60°-70°   | 2711.1  | 24.3      |
| 70°-80°   | 1086.2  | 9.7       |
| 80°-90°   | 52.6    | 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°    | 11167.0 | 100.0     |
| 0°-180°   | 11167.0 | 100.0     |

**Coefficient of Utilization**



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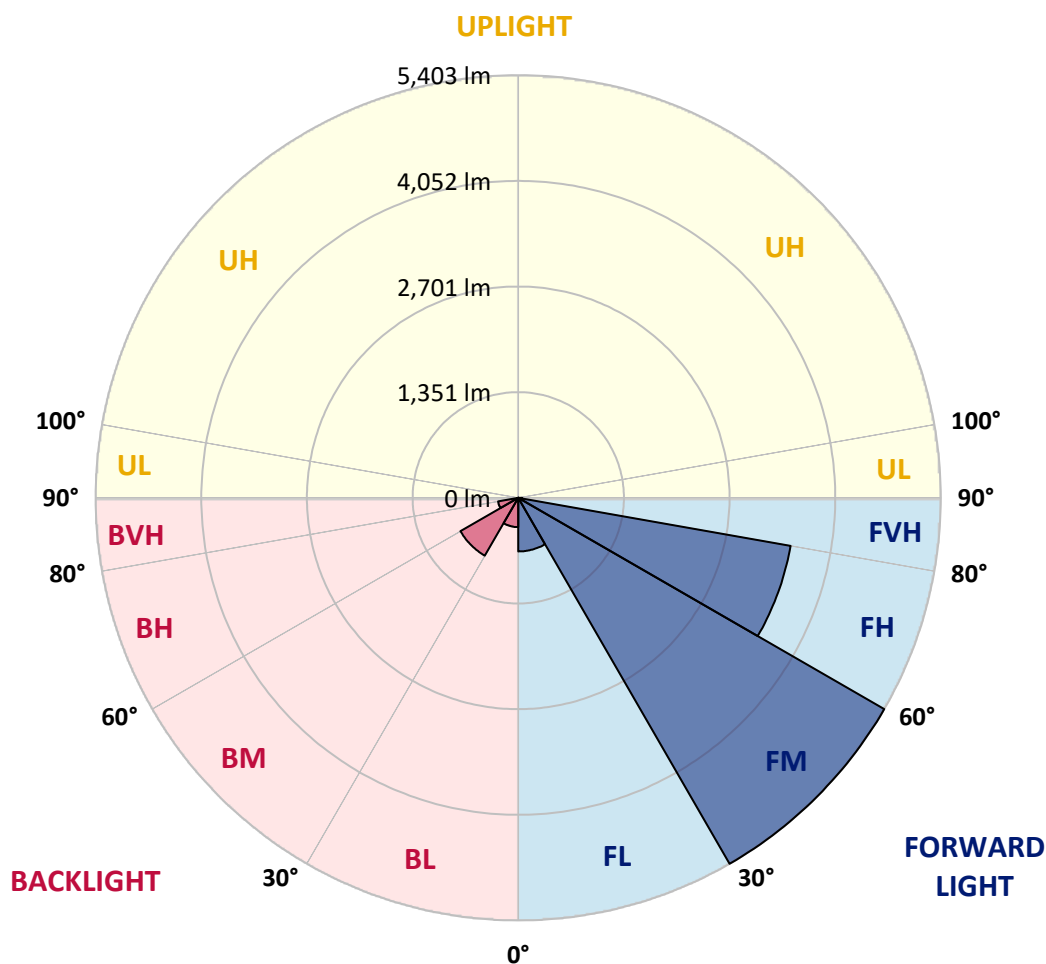
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 685.8  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 5402.6 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 3535.2 | 31.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 50.1   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 374.9  | 3.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 853.7  | 7.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 262.1  | 2.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.6    | 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°    | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 |
| 2.5°  | 1294.3 | 1303.3 | 1301.1 | 1298.8 | 1298.1 | 1299.6 | 1300.3 | 1299.6 | 1299.6 | 1299.6 |
| 5°    | 1269.6 | 1277.1 | 1277.1 | 1282.4 | 1289.9 | 1298.8 | 1305.6 | 1307.1 | 1308.6 | 1310.8 |
| 7.5°  | 1222.5 | 1228.5 | 1233.0 | 1250.2 | 1268.9 | 1292.8 | 1313.1 | 1323.5 | 1325.0 | 1333.3 |
| 10°   | 1190.3 | 1197.8 | 1205.3 | 1223.2 | 1250.2 | 1286.1 | 1320.5 | 1346.0 | 1349.7 | 1369.2 |
| 12.5° | 1188.8 | 1196.3 | 1206.0 | 1225.5 | 1256.9 | 1295.1 | 1337.0 | 1373.7 | 1380.4 | 1408.9 |
| 15°   | 1204.5 | 1213.5 | 1222.5 | 1246.4 | 1280.1 | 1326.5 | 1371.5 | 1417.1 | 1423.9 | 1464.3 |
| 17.5° | 1236.7 | 1248.7 | 1255.4 | 1279.4 | 1315.3 | 1367.0 | 1426.1 | 1478.5 | 1484.5 | 1531.7 |
| 20°   | 1300.3 | 1314.6 | 1316.8 | 1336.3 | 1371.5 | 1426.9 | 1497.2 | 1562.3 | 1569.8 | 1623.7 |
| 22.5° | 1432.1 | 1452.3 | 1434.3 | 1444.1 | 1475.5 | 1530.9 | 1607.3 | 1689.6 | 1700.1 | 1761.5 |
| 25°   | 1664.2 | 1692.6 | 1646.2 | 1629.7 | 1643.2 | 1700.8 | 1796.7 | 1900.7 | 1912.7 | 1962.1 |
| 27.5° | 2120.1 | 2083.4 | 2013.0 | 1944.1 | 1903.7 | 1936.7 | 2044.5 | 2173.2 | 2188.2 | 2236.1 |
| 30°   | 2620.9 | 2588.7 | 2493.6 | 2340.9 | 2245.1 | 2239.8 | 2339.4 | 2483.1 | 2500.4 | 2546.0 |
| 32.5° | 3122.5 | 3091.8 | 2988.5 | 2800.5 | 2634.4 | 2552.0 | 2620.9 | 2780.3 | 2789.3 | 2818.5 |
| 35°   | 3615.8 | 3584.3 | 3481.0 | 3288.6 | 3084.3 | 2897.1 | 2883.6 | 3063.3 | 3066.3 | 3097.0 |
| 37.5° | 4112.1 | 4085.9 | 3975.9 | 3787.2 | 3585.8 | 3327.6 | 3202.6 | 3331.3 | 3335.1 | 3365.0 |
| 40°   | 4466.2 | 4477.4 | 4401.8 | 4255.8 | 4082.9 | 3800.7 | 3560.4 | 3616.5 | 3594.1 | 3644.2 |
| 42.5° | 4770.1 | 4792.6 | 4726.7 | 4653.4 | 4553.0 | 4304.5 | 4003.6 | 3993.8 | 3957.9 | 3984.9 |
| 45°   | 5032.9 | 5051.6 | 4992.5 | 4975.3 | 4973.0 | 4798.6 | 4487.9 | 4429.5 | 4379.4 | 4374.1 |
| 47.5° | 5129.5 | 5165.4 | 5190.9 | 5248.5 | 5360.8 | 5287.4 | 4988.7 | 4898.2 | 4842.0 | 4800.8 |
| 50°   | 5166.2 | 5204.3 | 5291.2 | 5458.9 | 5724.6 | 5756.1 | 5487.3 | 5385.5 | 5316.6 | 5241.8 |
| 52.5° | 5116.7 | 5184.9 | 5301.7 | 5583.9 | 5969.4 | 6131.9 | 5965.7 | 5876.6 | 5798.0 | 5676.0 |
| 55°   | 4825.5 | 4893.7 | 5132.5 | 5582.4 | 6091.4 | 6395.4 | 6417.8 | 6378.2 | 6289.8 | 6097.4 |
| 57.5° | 4211.7 | 4312.7 | 4690.8 | 5392.2 | 6089.2 | 6622.2 | 6861.0 | 6889.5 | 6790.6 | 6515.2 |
| 60°   | 3361.3 | 3498.3 | 3959.4 | 4970.8 | 5901.3 | 6745.0 | 7249.5 | 7391.8 | 7287.0 | 6926.9 |
| 62.5° | 2345.4 | 2504.1 | 2940.5 | 4310.5 | 5471.6 | 6656.6 | 7533.3 | 7796.0 | 7716.7 | 7295.2 |
| 65°   | 1430.6 | 1481.5 | 1833.3 | 3392.0 | 4740.9 | 6286.8 | 7620.8 | 8014.6 | 7988.4 | 7520.5 |
| 67.5° | 953.0  | 995.7  | 1096.7 | 2325.9 | 3680.2 | 5547.9 | 7411.2 | 7976.4 | 7983.9 | 7483.9 |
| 70°   | 574.2  | 610.9  | 676.7  | 1352.7 | 2385.1 | 4391.3 | 6762.2 | 7489.8 | 7533.3 | 6993.5 |
| 72.5° | 236.6  | 261.3  | 321.2  | 613.1  | 1235.2 | 2787.1 | 5384.8 | 6430.6 | 6531.6 | 5880.3 |
| 75°   | 134.0  | 146.7  | 188.6  | 307.7  | 536.0  | 1298.8 | 3261.7 | 4565.0 | 4714.0 | 4053.0 |
| 77.5° | 89.1   | 95.1   | 122.0  | 199.1  | 301.7  | 443.2  | 1393.9 | 2378.3 | 2662.8 | 2213.6 |
| 80°   | 59.9   | 65.1   | 83.8   | 133.3  | 196.1  | 190.1  | 443.9  | 881.1  | 1084.0 | 760.6  |
| 82.5° | 40.4   | 41.2   | 59.9   | 87.6   | 124.3  | 92.1   | 131.0  | 274.0  | 344.4  | 220.1  |
| 85°   | 23.2   | 22.5   | 44.2   | 50.9   | 55.4   | 38.2   | 39.7   | 82.3   | 107.8  | 92.8   |
| 87.5° | 3.0    | 4.5    | 17.2   | 13.5   | 7.5    | 8.2    | 8.2    | 14.2   | 21.0   | 22.5   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1298.8 | 0°    | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 | 1298.8 |
| 1300.3 | 2.5°  | 1300.3 | 1299.6 | 1297.3 | 1295.1 | 1289.9 | 1286.9 | 1288.4 | 1286.9 | 1286.1 | 1286.9 |
| 1310.1 | 5°    | 1310.1 | 1307.8 | 1301.8 | 1294.3 | 1283.9 | 1271.1 | 1262.9 | 1250.9 | 1239.7 | 1233.0 |
| 1336.3 | 7.5°  | 1336.3 | 1334.0 | 1325.8 | 1304.8 | 1271.1 | 1218.0 | 1169.3 | 1126.7 | 1094.5 | 1075.8 |
| 1378.2 | 10°   | 1378.2 | 1374.4 | 1361.7 | 1315.3 | 1227.0 | 1110.9 | 1014.4 | 934.3  | 881.9  | 857.2  |
| 1427.6 | 12.5° | 1427.6 | 1423.1 | 1400.6 | 1305.6 | 1143.1 | 962.0  | 828.7  | 739.6  | 691.0  | 669.3  |
| 1484.5 | 15°   | 1486.0 | 1480.0 | 1435.8 | 1259.2 | 1021.1 | 797.3  | 675.2  | 608.6  | 577.2  | 557.7  |
| 1557.1 | 17.5° | 1558.6 | 1548.1 | 1462.0 | 1189.5 | 888.6  | 671.5  | 580.9  | 530.8  | 503.1  | 484.4  |
| 1652.2 | 20°   | 1652.9 | 1635.7 | 1483.0 | 1106.4 | 766.6  | 592.2  | 517.3  | 475.4  | 454.4  | 437.9  |
| 1786.9 | 22.5° | 1784.7 | 1760.0 | 1508.4 | 1016.6 | 680.5  | 537.5  | 470.1  | 439.4  | 422.2  | 403.5  |
| 1974.8 | 25°   | 1947.9 | 1918.7 | 1539.9 | 933.5  | 621.3  | 490.3  | 435.7  | 410.2  | 390.0  | 368.3  |
| 2221.1 | 27.5° | 2176.2 | 2123.8 | 1577.3 | 865.4  | 570.4  | 449.9  | 404.2  | 375.8  | 352.6  | 334.6  |
| 2500.4 | 30°   | 2430.7 | 2344.6 | 1610.3 | 824.2  | 524.0  | 412.5  | 363.1  | 334.6  | 312.9  | 300.2  |
| 2751.1 | 32.5° | 2671.8 | 2555.0 | 1632.0 | 806.3  | 482.1  | 369.8  | 318.2  | 287.5  | 271.0  | 267.3  |
| 2996.7 | 35°   | 2899.4 | 2745.2 | 1629.7 | 789.0  | 444.7  | 327.1  | 274.0  | 242.5  | 229.8  | 232.1  |
| 3260.9 | 37.5° | 3161.4 | 2948.0 | 1614.0 | 762.1  | 414.0  | 288.2  | 235.8  | 208.1  | 196.9  | 197.6  |
| 3582.1 | 40°   | 3466.1 | 3182.3 | 1604.3 | 711.2  | 380.3  | 252.3  | 204.4  | 181.9  | 173.7  | 170.7  |
| 3920.5 | 42.5° | 3791.0 | 3409.2 | 1605.8 | 653.5  | 338.4  | 220.1  | 182.7  | 163.9  | 156.5  | 154.2  |
| 4297.0 | 45°   | 4117.4 | 3625.5 | 1608.0 | 593.6  | 294.2  | 195.4  | 166.9  | 151.2  | 146.7  | 143.7  |
| 4678.8 | 47.5° | 4424.3 | 3809.7 | 1566.1 | 529.3  | 250.8  | 176.7  | 154.2  | 143.7  | 140.0  | 136.2  |
| 5062.1 | 50°   | 4710.3 | 3932.4 | 1465.0 | 454.4  | 216.3  | 161.7  | 144.5  | 137.0  | 133.3  | 129.5  |
| 5409.5 | 52.5° | 4932.6 | 3951.9 | 1298.1 | 377.3  | 192.4  | 150.5  | 138.5  | 131.8  | 127.3  | 123.5  |
| 5690.2 | 55°   | 5031.4 | 3829.9 | 1060.8 | 305.4  | 173.7  | 140.7  | 132.5  | 125.8  | 120.5  | 116.8  |
| 5911.0 | 57.5° | 5006.0 | 3573.1 | 827.2  | 245.5  | 155.7  | 131.0  | 125.0  | 120.5  | 114.5  | 108.5  |
| 6089.9 | 60°   | 4880.9 | 3229.5 | 623.6  | 204.4  | 139.2  | 120.5  | 116.8  | 113.0  | 104.8  | 95.8   |
| 6158.8 | 62.5° | 4664.6 | 2797.6 | 444.7  | 169.2  | 121.3  | 108.5  | 107.1  | 104.1  | 92.1   | 75.6   |
| 6057.0 | 65°   | 4333.7 | 2272.8 | 299.4  | 140.7  | 104.1  | 95.1   | 95.8   | 90.6   | 74.9   | 56.1   |
| 5684.2 | 67.5° | 3850.1 | 1661.9 | 191.6  | 115.3  | 86.8   | 79.4   | 80.1   | 77.1   | 63.6   | 47.9   |
| 4977.5 | 70°   | 3234.0 | 1100.5 | 125.0  | 87.6   | 69.6   | 61.4   | 65.9   | 66.6   | 53.9   | 38.9   |
| 3820.2 | 72.5° | 2370.8 | 649.8  | 87.6   | 65.1   | 50.9   | 42.7   | 53.9   | 55.4   | 43.4   | 29.2   |
| 2298.2 | 75°   | 1351.2 | 308.4  | 65.9   | 47.2   | 31.4   | 29.9   | 41.9   | 41.9   | 29.9   | 19.5   |
| 994.9  | 77.5° | 567.4  | 128.8  | 46.4   | 30.7   | 18.0   | 17.2   | 28.4   | 26.2   | 15.0   | 9.0    |
| 242.5  | 80°   | 163.9  | 57.6   | 24.7   | 15.0   | 7.5    | 6.7    | 11.2   | 8.2    | 3.7    | 1.5    |
| 92.1   | 82.5° | 64.4   | 25.5   | 9.7    | 6.0    | 3.0    | 3.0    | 1.5    | 0.0    | 0.0    | 0.0    |
| 52.4   | 85°   | 38.2   | 10.5   | 4.5    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.2   | 87.5° | 9.7    | 2.2    | 1.5    | 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°   |
|--------|
| 1298.8 |
| 1289.9 |
| 1234.5 |
| 1076.5 |
| 854.9  |
| 667.0  |
| 558.5  |
| 482.9  |
| 434.9  |
| 400.5  |
| 366.1  |
| 330.9  |
| 297.9  |
| 269.5  |
| 232.1  |
| 200.6  |
| 169.9  |
| 153.5  |
| 143.7  |
| 136.2  |
| 129.5  |
| 122.8  |
| 116.0  |
| 107.8  |
| 94.3   |
| 74.1   |
| 54.6   |
| 45.7   |
| 37.4   |
| 27.7   |
| 18.0   |
| 9.0    |
| 1.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |