

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: P947252

Luminaire Tested: **GLAN-SB2C-930-U-SL3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-930-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

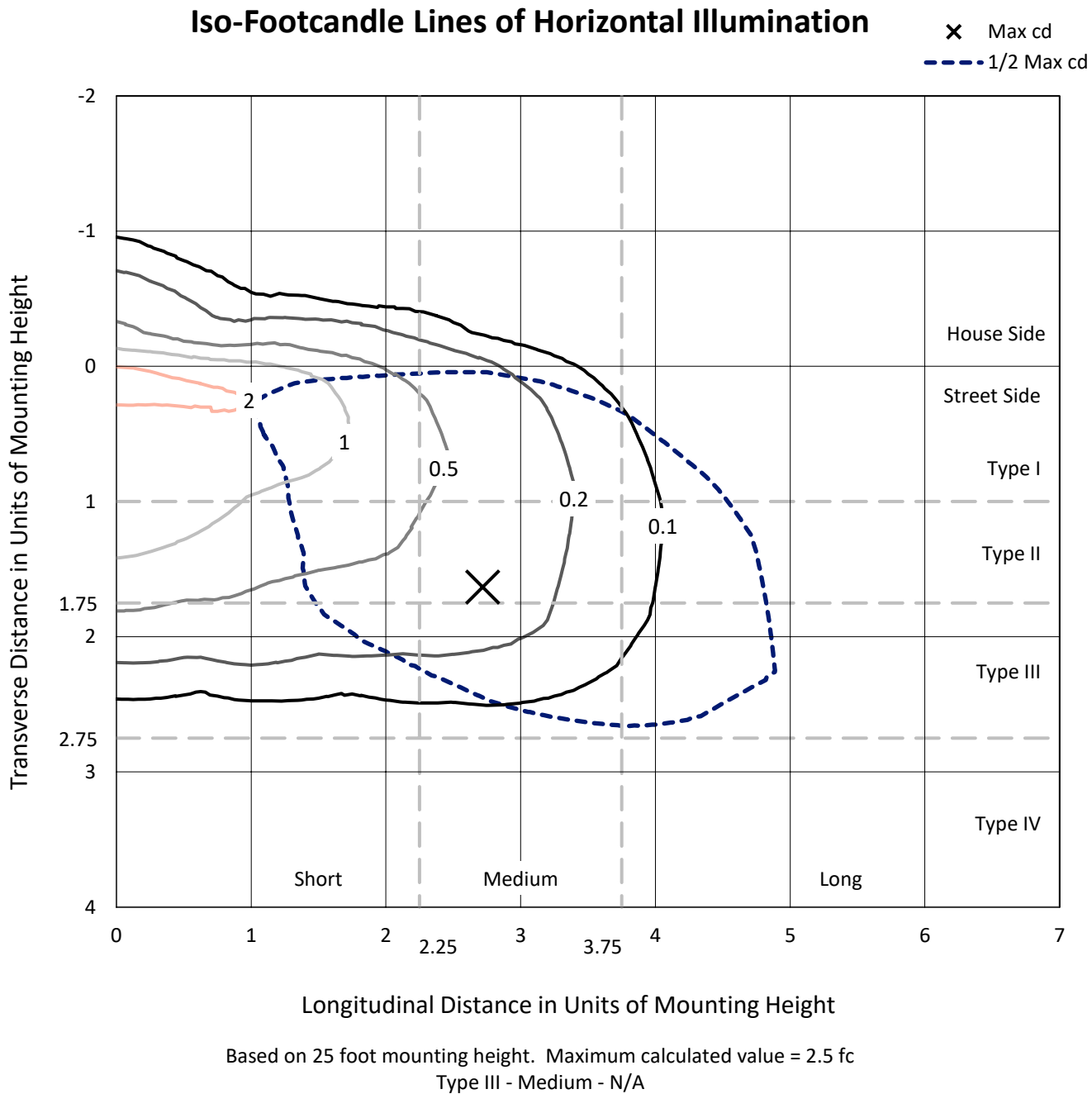
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 8390 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 100.9  
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

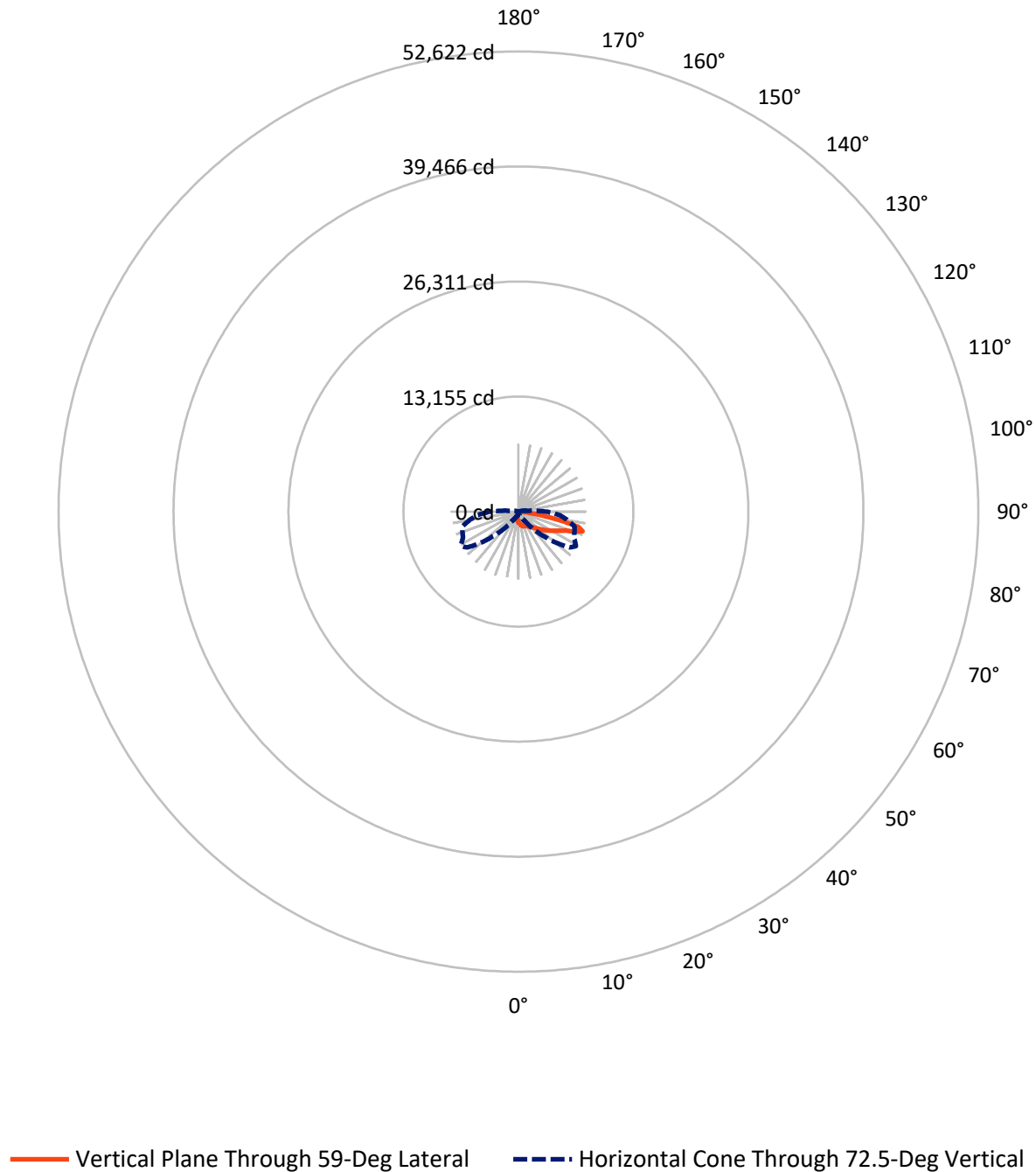


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## Luminous Intensity Polar Plot



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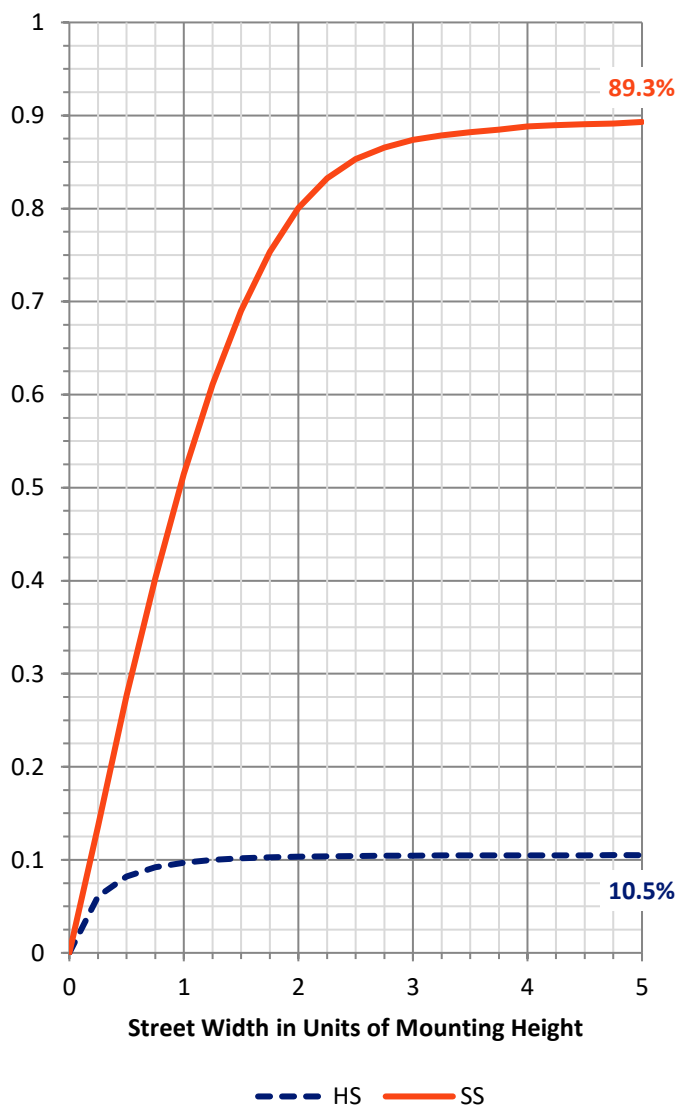
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 886.2    | 0.0    | 886.2  |
|                    | % Fixture | 10.6     | 0.0    | 10.6   |
| <b>Street Side</b> | Lumens    | 7503.8   | 0.0    | 7503.8 |
|                    | % Fixture | 89.4     | 0.0    | 89.4   |
| <b>Total</b>       | Lumens    | 8390.0   | 0.0    | 8390.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 112.2  | 1.3       |
| 10°-20°   | 298.1  | 3.6       |
| 20°-30°   | 472.5  | 5.6       |
| 30°-40°   | 758.3  | 9.0       |
| 40°-50°   | 1211.2 | 14.4      |
| 50°-60°   | 1753.6 | 20.9      |
| 60°-70°   | 2081.1 | 24.8      |
| 70°-80°   | 1544.9 | 18.4      |
| 80°-90°   | 157.9  | 1.9       |
| 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°    | 8390.0 | 100.0     |
| 0°-180°   | 8390.0 | 100.0     |

**Coefficient of Utilization**



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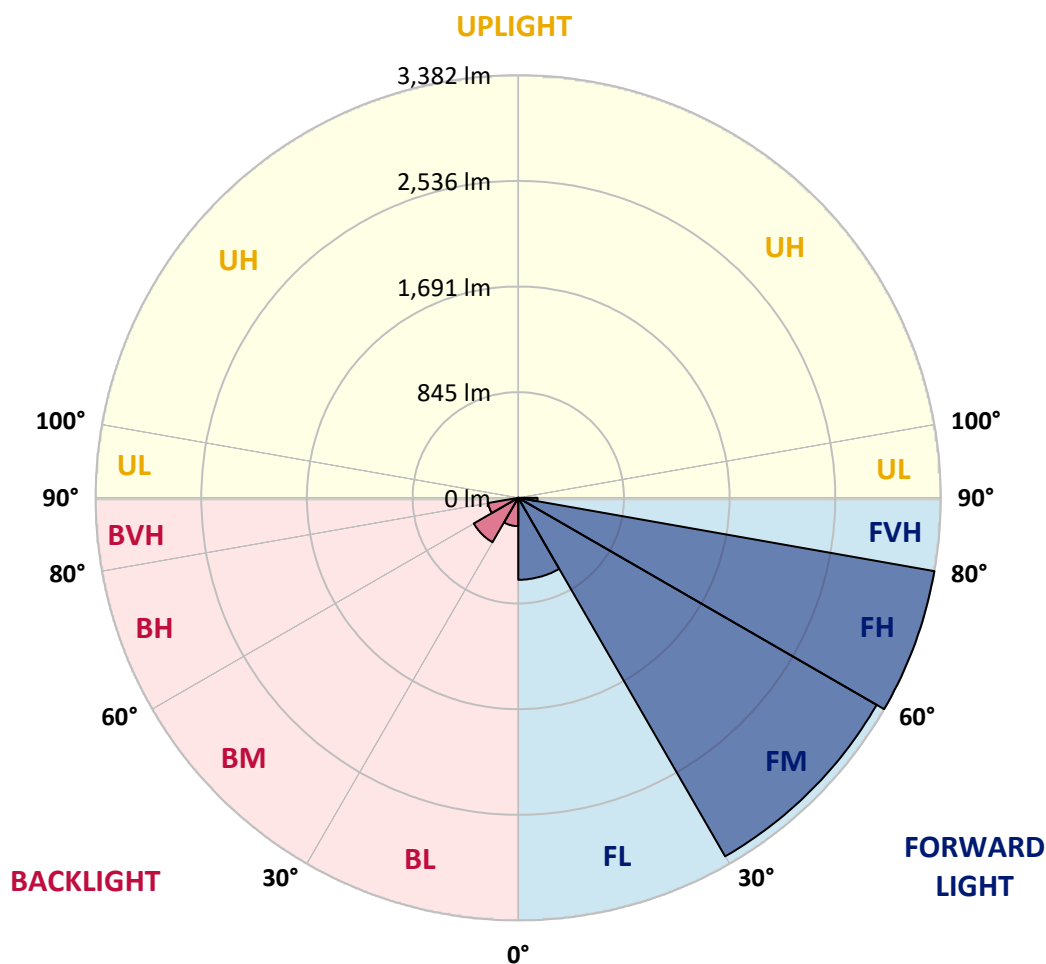
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 655.9  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 3312.2 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 3381.7 | 40.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 154.0  | 1.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 227.0  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 410.8  | 4.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 244.4  | 2.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 3.9    | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 |
| 2.5°  | 1376.5 | 1368.9 | 1370.0 | 1356.8 | 1347.5 | 1337.6 | 1318.5 | 1315.7 | 1302.0 | 1277.9 |
| 5°    | 1496.5 | 1491.6 | 1487.2 | 1472.4 | 1453.2 | 1429.1 | 1396.8 | 1385.3 | 1360.1 | 1318.5 |
| 7.5°  | 1584.1 | 1578.1 | 1580.3 | 1565.5 | 1550.2 | 1523.3 | 1479.0 | 1457.6 | 1424.2 | 1360.6 |
| 10°   | 1601.1 | 1597.8 | 1612.1 | 1617.5 | 1617.5 | 1600.6 | 1557.3 | 1535.9 | 1487.2 | 1406.1 |
| 12.5° | 1505.8 | 1506.3 | 1542.0 | 1584.7 | 1640.5 | 1656.4 | 1627.4 | 1604.4 | 1556.2 | 1454.3 |
| 15°   | 1394.6 | 1395.2 | 1429.7 | 1484.4 | 1575.9 | 1667.4 | 1690.4 | 1675.6 | 1625.8 | 1506.3 |
| 17.5° | 1327.8 | 1325.0 | 1348.0 | 1393.0 | 1488.8 | 1617.5 | 1728.7 | 1738.6 | 1698.1 | 1563.9 |
| 20°   | 1318.5 | 1313.5 | 1325.6 | 1348.0 | 1416.5 | 1555.1 | 1733.1 | 1779.7 | 1772.6 | 1629.0 |
| 22.5° | 1375.4 | 1367.8 | 1361.2 | 1362.3 | 1391.3 | 1503.1 | 1722.2 | 1802.7 | 1849.2 | 1707.4 |
| 25°   | 1488.3 | 1476.2 | 1454.9 | 1427.5 | 1421.4 | 1492.1 | 1714.5 | 1827.9 | 1920.5 | 1807.6 |
| 27.5° | 1626.3 | 1609.3 | 1568.2 | 1527.2 | 1492.1 | 1522.8 | 1730.4 | 1867.9 | 2001.0 | 1924.3 |
| 30°   | 1778.0 | 1757.2 | 1716.1 | 1638.4 | 1582.5 | 1591.2 | 1768.2 | 1920.5 | 2104.0 | 2056.3 |
| 32.5° | 2001.0 | 1952.8 | 1881.0 | 1762.2 | 1688.2 | 1665.2 | 1825.1 | 1987.3 | 2231.6 | 2232.1 |
| 35°   | 2192.1 | 2165.3 | 2093.0 | 1945.1 | 1793.4 | 1763.2 | 1900.2 | 2081.5 | 2408.5 | 2464.9 |
| 37.5° | 2317.6 | 2280.9 | 2217.3 | 2106.1 | 1956.6 | 1864.0 | 2000.4 | 2197.1 | 2595.8 | 2730.0 |
| 40°   | 2457.8 | 2421.7 | 2337.3 | 2232.7 | 2146.1 | 2037.1 | 2127.0 | 2330.2 | 2801.3 | 3002.3 |
| 42.5° | 2627.1 | 2580.0 | 2480.3 | 2367.4 | 2277.0 | 2265.0 | 2292.4 | 2496.2 | 3012.1 | 3298.1 |
| 45°   | 2825.9 | 2781.5 | 2667.1 | 2524.6 | 2445.2 | 2423.8 | 2500.5 | 2689.5 | 3247.1 | 3622.4 |
| 47.5° | 3012.1 | 2960.7 | 2837.4 | 2707.6 | 2619.4 | 2552.0 | 2721.8 | 2917.9 | 3513.3 | 3961.4 |
| 50°   | 3170.4 | 3117.9 | 3005.0 | 2866.4 | 2806.7 | 2718.5 | 2939.3 | 3172.6 | 3777.4 | 4306.0 |
| 52.5° | 3278.9 | 3232.3 | 3099.8 | 3005.6 | 2965.0 | 2920.7 | 3194.0 | 3442.7 | 4040.3 | 4621.5 |
| 55°   | 3254.3 | 3212.6 | 3096.0 | 3089.4 | 3086.6 | 3133.2 | 3498.6 | 3748.9 | 4308.1 | 4920.0 |
| 57.5° | 3175.9 | 3128.8 | 2983.1 | 3083.4 | 3180.3 | 3322.7 | 3828.3 | 4111.0 | 4601.7 | 5201.5 |
| 60°   | 2945.3 | 2928.9 | 2840.1 | 3071.8 | 3219.7 | 3508.4 | 4205.2 | 4474.7 | 4919.5 | 5449.1 |
| 62.5° | 2457.3 | 2471.5 | 2471.0 | 3096.0 | 3291.0 | 3719.9 | 4547.5 | 4842.8 | 5230.0 | 5687.4 |
| 65°   | 1839.9 | 1889.2 | 1952.2 | 2879.0 | 3386.3 | 4097.3 | 4956.7 | 5242.1 | 5545.5 | 5964.6 |
| 67.5° | 1236.3 | 1275.7 | 1318.5 | 2362.0 | 3102.5 | 4493.8 | 5636.5 | 5789.3 | 5923.5 | 6271.9 |
| 70°   | 707.7  | 720.3  | 780.0  | 1475.1 | 2391.5 | 4384.3 | 6743.5 | 6798.8 | 6487.1 | 6650.4 |
| 72.5° | 396.6  | 392.2  | 471.1  | 700.0  | 1336.5 | 3754.4 | 7131.3 | 7670.9 | 6991.6 | 6644.4 |
| 75°   | 265.1  | 265.7  | 324.3  | 441.5  | 520.9  | 2628.2 | 6145.3 | 7112.7 | 6689.3 | 5891.7 |
| 77.5° | 180.8  | 186.8  | 238.3  | 341.3  | 241.0  | 1282.3 | 4065.5 | 4982.4 | 5415.7 | 4549.7 |
| 80°   | 78.3   | 78.9   | 157.2  | 244.8  | 162.7  | 408.1  | 2107.8 | 2669.2 | 3396.7 | 2554.8 |
| 82.5° | 40.5   | 46.0   | 100.2  | 158.3  | 102.4  | 143.0  | 995.8  | 1166.2 | 1425.3 | 749.9  |
| 85°   | 14.2   | 17.0   | 61.9   | 77.8   | 51.5   | 50.9   | 346.7  | 353.3  | 301.8  | 112.8  |
| 87.5° | 0.0    | 2.7    | 24.1   | 19.2   | 6.6    | 6.0    | 41.1   | 34.5   | 27.4   | 15.9   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1240.7 | 0°    | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 | 1240.7 |
| 1253.3 | 2.5°  | 1241.8 | 1227.0 | 1202.9 | 1173.3 | 1138.8 | 1120.2 | 1093.3 | 1076.9 | 1062.1 | 1062.7 |
| 1270.3 | 5°    | 1243.4 | 1218.8 | 1157.4 | 1092.2 | 1019.9 | 966.8  | 907.6  | 866.0  | 834.2  | 826.6  |
| 1287.8 | 7.5°  | 1248.3 | 1206.7 | 1106.5 | 998.0  | 877.5  | 788.2  | 706.6  | 655.1  | 626.1  | 618.4  |
| 1305.9 | 10°   | 1254.9 | 1193.6 | 1049.0 | 883.0  | 733.5  | 626.1  | 558.2  | 525.3  | 512.2  | 502.3  |
| 1328.9 | 12.5° | 1260.4 | 1179.9 | 976.7  | 764.1  | 605.3  | 521.5  | 470.0  | 442.6  | 431.1  | 424.0  |
| 1355.7 | 15°   | 1269.7 | 1161.8 | 898.3  | 653.5  | 518.7  | 450.3  | 401.5  | 381.2  | 378.0  | 379.1  |
| 1385.3 | 17.5° | 1279.0 | 1144.3 | 810.7  | 566.9  | 455.2  | 387.8  | 358.2  | 354.9  | 359.3  | 363.7  |
| 1419.3 | 20°   | 1289.4 | 1119.1 | 722.0  | 501.8  | 396.6  | 344.5  | 336.9  | 339.1  | 341.3  | 348.9  |
| 1465.8 | 22.5° | 1304.8 | 1087.3 | 644.2  | 446.4  | 347.8  | 323.7  | 319.9  | 321.5  | 323.2  | 330.8  |
| 1527.2 | 25°   | 1326.7 | 1053.3 | 581.2  | 395.5  | 317.2  | 306.7  | 302.9  | 302.9  | 305.1  | 312.2  |
| 1598.4 | 27.5° | 1349.7 | 1005.1 | 530.2  | 348.4  | 299.1  | 288.1  | 281.5  | 281.5  | 284.3  | 292.5  |
| 1687.7 | 30°   | 1375.4 | 961.3  | 490.2  | 313.3  | 283.7  | 269.5  | 260.7  | 258.5  | 261.8  | 272.2  |
| 1816.9 | 32.5° | 1422.0 | 932.8  | 461.8  | 296.9  | 270.0  | 252.5  | 240.5  | 234.4  | 237.7  | 249.8  |
| 1997.7 | 35°   | 1492.7 | 926.3  | 442.0  | 288.7  | 256.9  | 237.2  | 220.2  | 210.9  | 213.6  | 226.2  |
| 2220.6 | 37.5° | 1575.4 | 940.0  | 422.9  | 277.7  | 244.3  | 222.4  | 199.9  | 187.9  | 192.3  | 203.8  |
| 2475.3 | 40°   | 1694.2 | 996.9  | 408.1  | 269.5  | 231.7  | 204.9  | 179.7  | 167.6  | 174.7  | 184.6  |
| 2740.5 | 42.5° | 1837.7 | 1098.3 | 404.2  | 261.8  | 216.4  | 186.2  | 161.0  | 152.3  | 157.8  | 167.1  |
| 3008.3 | 45°   | 2015.8 | 1227.5 | 421.8  | 252.0  | 199.4  | 168.2  | 146.3  | 141.3  | 143.0  | 152.3  |
| 3261.4 | 47.5° | 2206.9 | 1360.1 | 470.0  | 243.2  | 184.6  | 153.4  | 134.7  | 130.4  | 129.3  | 138.0  |
| 3492.5 | 50°   | 2400.3 | 1477.9 | 526.9  | 236.6  | 174.2  | 141.3  | 126.0  | 120.5  | 117.8  | 123.2  |
| 3720.9 | 52.5° | 2591.5 | 1571.5 | 564.2  | 225.7  | 163.8  | 129.3  | 118.3  | 110.1  | 105.2  | 107.9  |
| 3948.3 | 55°   | 2785.4 | 1653.7 | 566.4  | 209.2  | 153.9  | 121.6  | 110.6  | 101.3  | 95.3   | 95.3   |
| 4167.4 | 57.5° | 2966.7 | 1726.0 | 534.1  | 187.3  | 140.2  | 114.5  | 100.2  | 92.6   | 86.0   | 83.8   |
| 4361.8 | 60°   | 3127.2 | 1779.7 | 480.4  | 162.7  | 128.2  | 105.2  | 89.8   | 83.8   | 75.6   | 71.2   |
| 4534.9 | 62.5° | 3270.1 | 1806.0 | 407.0  | 137.5  | 113.4  | 94.2   | 80.0   | 73.4   | 62.4   | 57.0   |
| 4710.8 | 65°   | 3391.2 | 1779.1 | 330.3  | 113.9  | 100.8  | 82.2   | 68.5   | 61.9   | 49.8   | 43.3   |
| 4908.5 | 67.5° | 3511.2 | 1656.4 | 249.8  | 95.9   | 87.6   | 69.0   | 56.4   | 50.4   | 41.6   | 36.2   |
| 5052.6 | 70°   | 3526.5 | 1398.4 | 174.7  | 80.5   | 72.9   | 53.1   | 45.5   | 41.6   | 34.0   | 29.0   |
| 4731.0 | 72.5° | 3139.2 | 1006.2 | 106.3  | 65.7   | 57.0   | 37.8   | 36.2   | 32.9   | 25.2   | 21.9   |
| 3865.6 | 75°   | 2509.3 | 616.8  | 62.4   | 49.3   | 37.8   | 26.8   | 26.8   | 23.6   | 17.0   | 14.2   |
| 2668.7 | 77.5° | 1734.2 | 322.6  | 36.7   | 31.8   | 22.5   | 15.9   | 17.5   | 14.2   | 8.2    | 6.6    |
| 1057.2 | 80°   | 694.6  | 122.7  | 19.7   | 14.8   | 10.4   | 7.1    | 6.0    | 3.3    | 1.6    | 1.1    |
| 216.9  | 82.5° | 138.6  | 32.3   | 6.6    | 3.8    | 3.8    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 59.7   | 85°   | 35.6   | 7.1    | 1.6    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 19.7   | 87.5° | 11.0   | 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°   |
|--------|
| 1240.7 |
| 1074.7 |
| 838.1  |
| 626.1  |
| 508.3  |
| 427.8  |
| 380.7  |
| 365.4  |
| 351.1  |
| 333.0  |
| 315.0  |
| 295.8  |
| 275.0  |
| 253.1  |
| 230.1  |
| 207.1  |
| 186.2  |
| 168.7  |
| 156.7  |
| 143.5  |
| 125.4  |
| 110.1  |
| 96.4   |
| 84.4   |
| 70.1   |
| 56.4   |
| 43.3   |
| 36.2   |
| 28.5   |
| 21.4   |
| 14.2   |
| 6.6    |
| 1.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |