

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: P940172

Luminaire Tested: **GLAN-SB3A-840-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12761 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

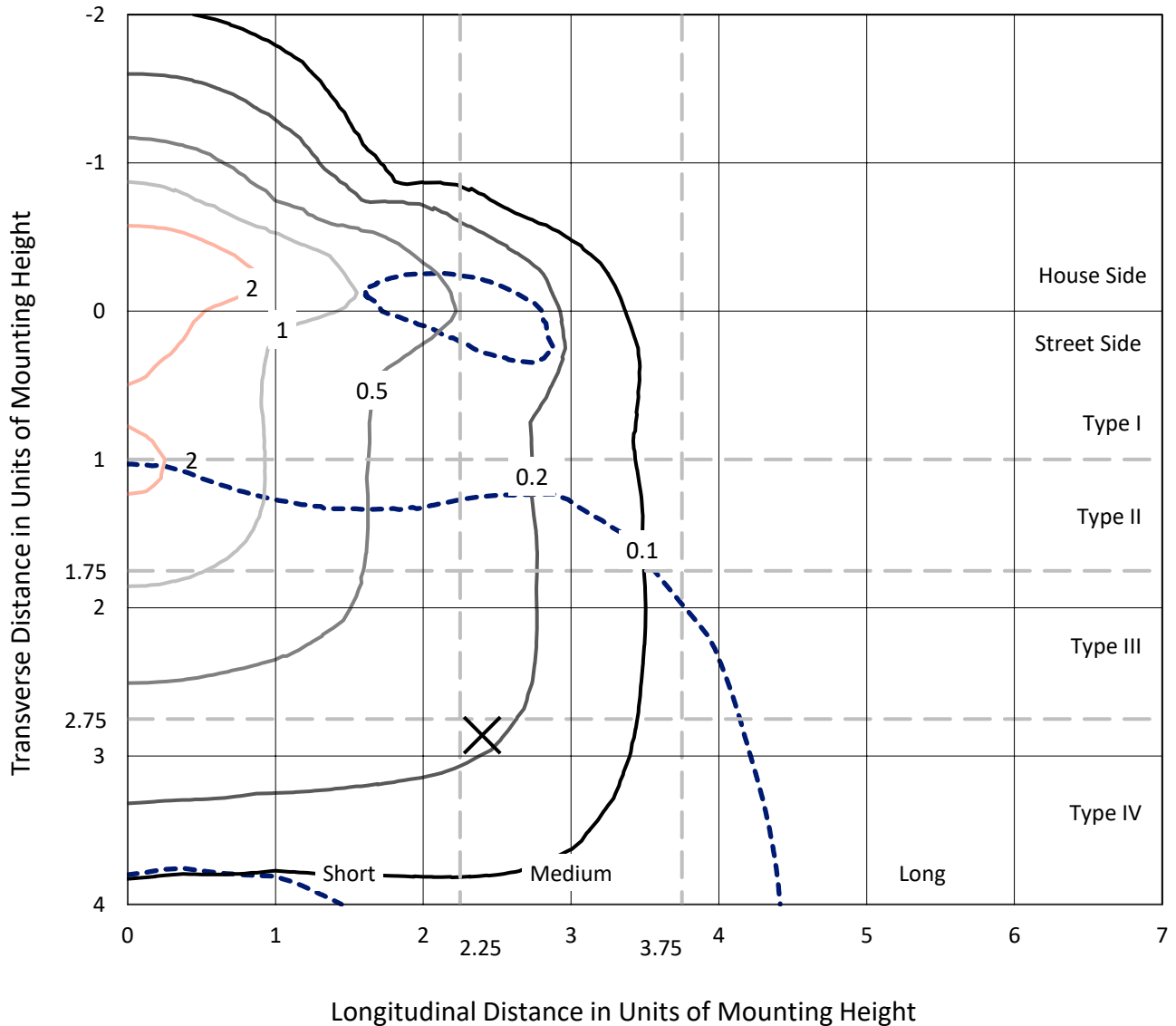
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

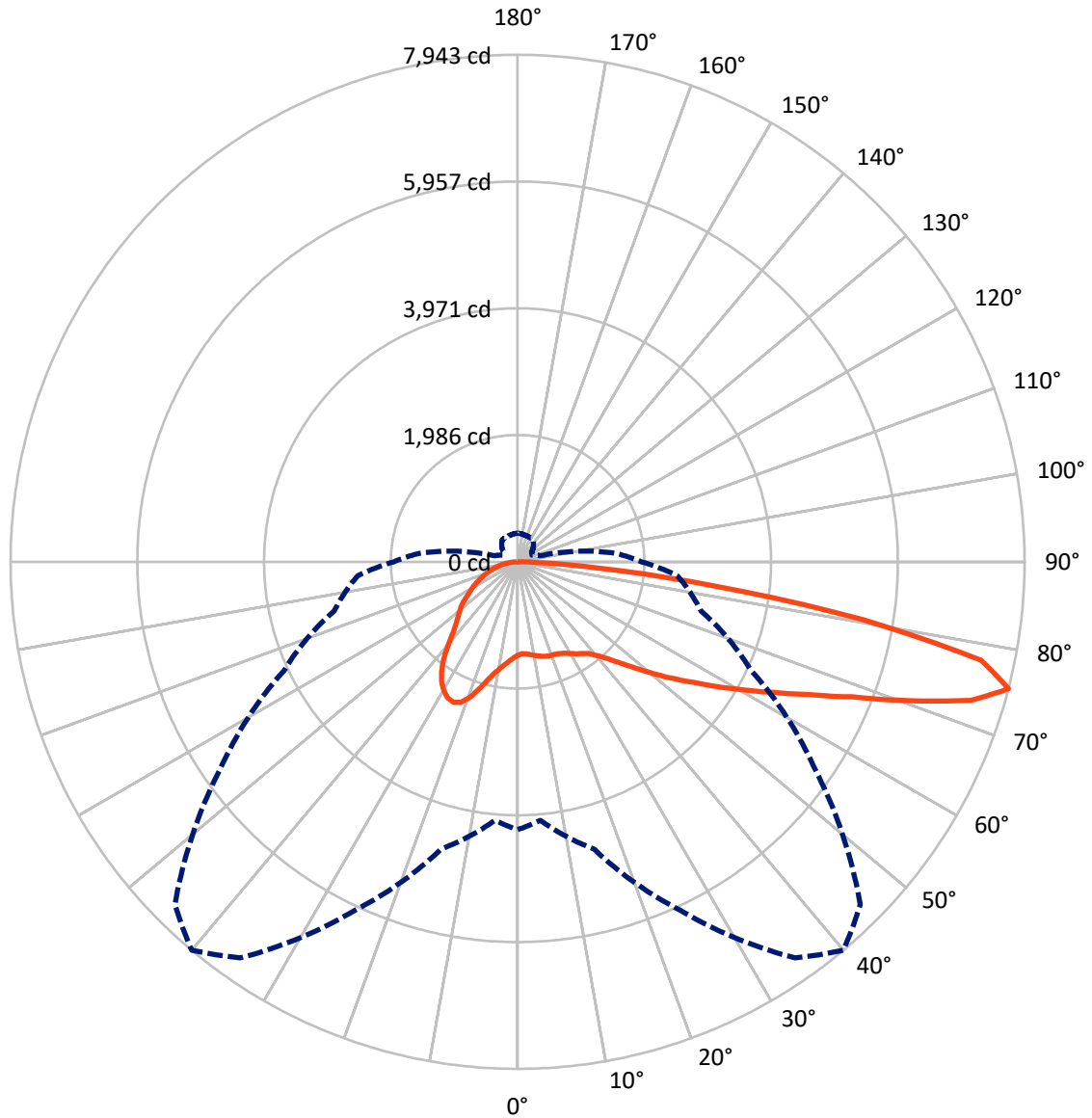
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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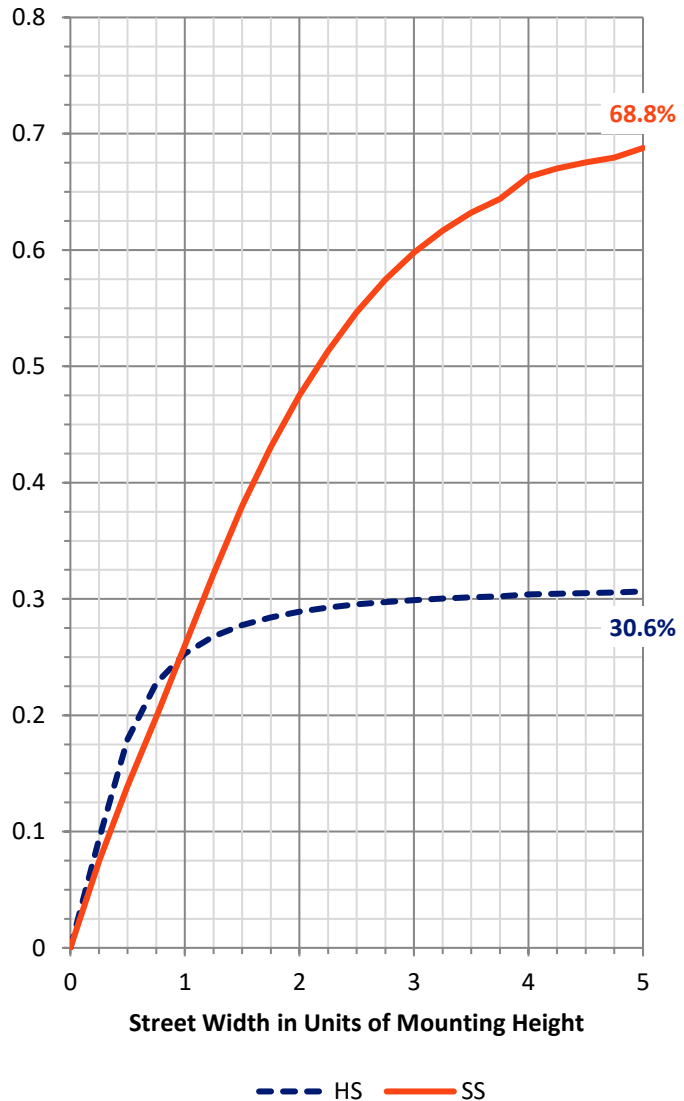
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3953.8 | 0.0 | 3953.8 |
| | % Fixture | 31.0 | 0.0 | 31.0 |
| Street Side | Lumens | 8807.2 | 0.0 | 8807.2 |
| | % Fixture | 69.0 | 0.0 | 69.0 |
| Total | Lumens | 12761.0 | 0.0 | 12761.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 145.7 | 1.1 |
| 10°-20° | 489.0 | 3.8 |
| 20°-30° | 893.0 | 7.0 |
| 30°-40° | 1266.5 | 9.9 |
| 40°-50° | 1710.1 | 13.4 |
| 50°-60° | 2300.5 | 18.0 |
| 60°-70° | 2919.9 | 22.9 |
| 70°-80° | 2650.0 | 20.8 |
| 80°-90° | 386.3 | 3.0 |
| 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° | 12761.0 | 100.0 |
| 0°-180° | 12761.0 | 100.0 |

Coefficient of Utilization

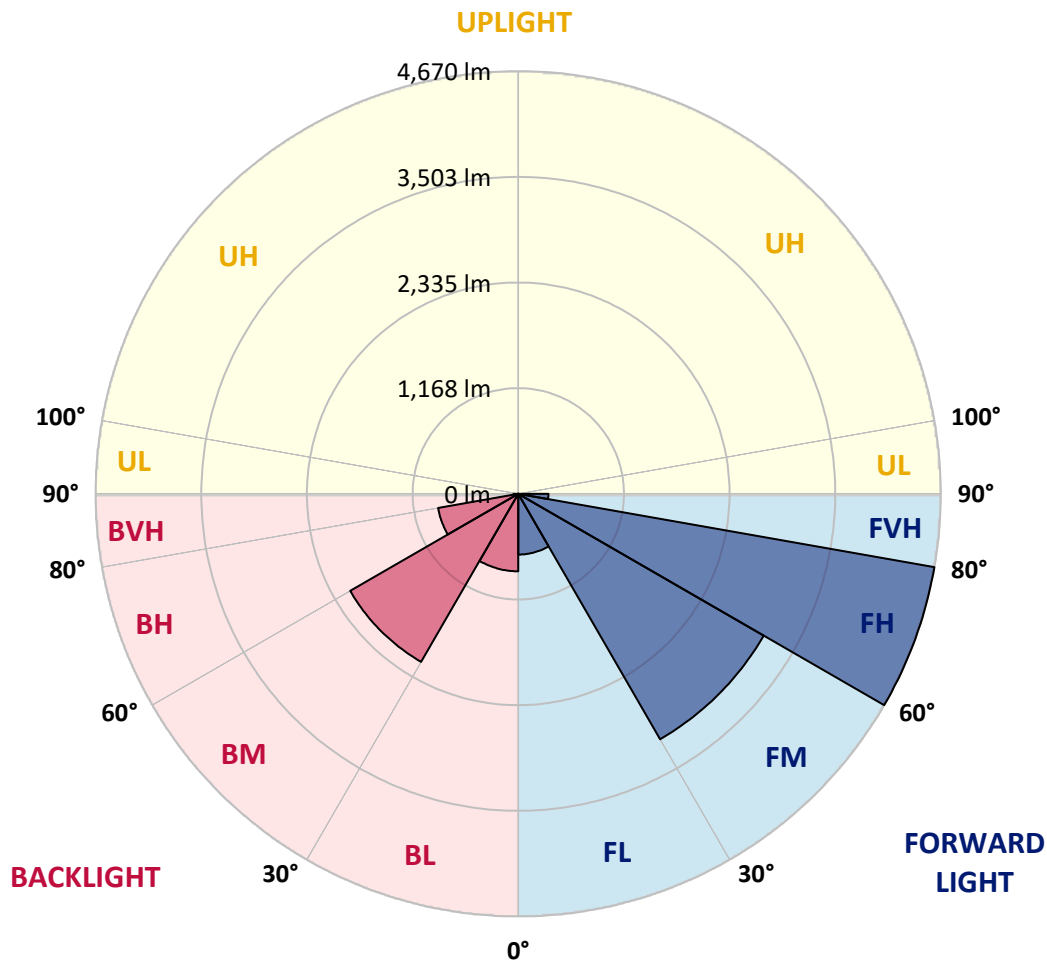


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 671.2 | 5.3 | | | |
| FM (30°-60°) | 3132.5 | 24.5 | | | |
| FH (60°-80°) | 4670.3 | 36.6 | | | G2/5000 |
| FVH (80°-90°) | 333.1 | 2.6 | | | G3/500 |
| BL (0°-30°) | 856.4 | 6.7 | B2/1000 | | |
| BM (30°-60°) | 2144.6 | 16.8 | B2/2500 | | |
| BH (60°-80°) | 899.6 | 7.0 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 53.2 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 |
| 2.5° | 1436.9 | 1445.0 | 1443.0 | 1440.3 | 1440.3 | 1441.0 | 1440.3 | 1445.0 | 1449.8 | 1454.5 |
| 5° | 1451.8 | 1459.9 | 1455.9 | 1452.5 | 1449.8 | 1449.1 | 1447.1 | 1446.4 | 1449.1 | 1455.2 |
| 7.5° | 1480.9 | 1489.0 | 1482.9 | 1476.8 | 1471.4 | 1468.7 | 1466.0 | 1461.9 | 1459.9 | 1463.3 |
| 10° | 1513.4 | 1521.5 | 1514.1 | 1503.2 | 1494.4 | 1491.0 | 1488.3 | 1484.3 | 1481.6 | 1483.6 |
| 12.5° | 1545.9 | 1554.0 | 1543.8 | 1529.0 | 1517.4 | 1515.4 | 1512.0 | 1510.7 | 1510.0 | 1509.3 |
| 15° | 1576.3 | 1583.1 | 1570.2 | 1552.6 | 1540.5 | 1537.1 | 1533.7 | 1535.7 | 1539.1 | 1543.2 |
| 17.5° | 1600.0 | 1606.8 | 1587.8 | 1564.8 | 1553.3 | 1552.0 | 1549.9 | 1556.7 | 1566.2 | 1576.3 |
| 20° | 1621.7 | 1628.4 | 1604.1 | 1572.9 | 1559.4 | 1559.4 | 1560.1 | 1574.3 | 1587.8 | 1602.7 |
| 22.5° | 1652.1 | 1657.5 | 1627.8 | 1585.1 | 1565.5 | 1566.9 | 1572.3 | 1586.5 | 1603.4 | 1623.7 |
| 25° | 1697.5 | 1701.5 | 1665.0 | 1608.1 | 1585.8 | 1589.9 | 1594.6 | 1601.4 | 1617.6 | 1641.3 |
| 27.5° | 1770.6 | 1774.0 | 1725.9 | 1648.7 | 1614.9 | 1621.7 | 1628.4 | 1623.7 | 1631.2 | 1651.5 |
| 30° | 1873.5 | 1875.5 | 1814.6 | 1712.4 | 1664.3 | 1667.7 | 1669.1 | 1649.4 | 1635.2 | 1651.5 |
| 32.5° | 1995.3 | 1994.6 | 1922.2 | 1789.5 | 1720.5 | 1717.1 | 1705.6 | 1667.0 | 1633.9 | 1648.1 |
| 35° | 2184.1 | 2176.7 | 2083.3 | 1897.8 | 1784.1 | 1763.1 | 1736.1 | 1686.7 | 1640.6 | 1644.7 |
| 37.5° | 2496.8 | 2473.8 | 2344.5 | 2075.1 | 1878.9 | 1825.4 | 1785.5 | 1718.5 | 1655.5 | 1643.3 |
| 40° | 2849.4 | 2820.3 | 2678.2 | 2318.1 | 2021.0 | 1935.0 | 1870.7 | 1763.8 | 1679.9 | 1649.4 |
| 42.5° | 3267.7 | 3226.4 | 3073.5 | 2604.4 | 2201.0 | 2076.5 | 1979.7 | 1821.3 | 1715.8 | 1669.1 |
| 45° | 3781.4 | 3726.6 | 3510.0 | 2927.3 | 2427.8 | 2262.0 | 2132.7 | 1908.6 | 1770.6 | 1707.0 |
| 47.5° | 4300.6 | 4314.1 | 4006.1 | 3296.8 | 2699.9 | 2490.7 | 2324.2 | 2040.0 | 1850.4 | 1767.9 |
| 50° | 4852.2 | 4861.6 | 4499.5 | 3706.3 | 3008.5 | 2749.3 | 2539.5 | 2186.8 | 1961.4 | 1854.5 |
| 52.5° | 5282.6 | 5284.0 | 4947.6 | 4134.7 | 3330.0 | 3033.5 | 2771.6 | 2354.7 | 2090.0 | 1969.6 |
| 55° | 5552.0 | 5548.6 | 5261.6 | 4540.2 | 3699.5 | 3332.0 | 3028.8 | 2545.5 | 2247.1 | 2104.9 |
| 57.5° | 5747.6 | 5737.5 | 5478.2 | 4888.7 | 4093.4 | 3684.6 | 3319.8 | 2762.1 | 2432.5 | 2266.0 |
| 60° | 5822.1 | 5816.0 | 5625.1 | 5189.9 | 4507.7 | 4074.5 | 3655.5 | 3004.4 | 2643.0 | 2456.2 |
| 62.5° | 5850.5 | 5862.0 | 5769.3 | 5481.6 | 4951.0 | 4506.3 | 4024.4 | 3294.1 | 2879.9 | 2671.4 |
| 65° | 5950.7 | 5971.6 | 5952.7 | 5863.3 | 5451.8 | 5011.9 | 4513.8 | 3638.6 | 3138.4 | 2902.2 |
| 67.5° | 6149.0 | 6169.9 | 6178.1 | 6320.2 | 6063.7 | 5642.0 | 5124.3 | 4067.7 | 3441.0 | 3141.8 |
| 70° | 6144.2 | 6138.1 | 6281.6 | 6683.7 | 6829.9 | 6514.5 | 5947.3 | 4595.7 | 3801.7 | 3340.8 |
| 72.5° | 5592.6 | 5543.9 | 5883.0 | 6679.6 | 7467.4 | 7425.5 | 6952.4 | 5276.5 | 4113.1 | 3365.2 |
| 75° | 4195.6 | 4065.7 | 4664.7 | 6019.7 | 7573.7 | 7942.6 | 7591.3 | 5698.9 | 4039.3 | 2973.3 |
| 77.5° | 1794.3 | 1663.6 | 2369.6 | 4456.2 | 6778.4 | 7424.8 | 7005.2 | 4972.0 | 3224.4 | 1966.2 |
| 80° | 469.7 | 469.0 | 716.1 | 2020.3 | 4609.9 | 5483.0 | 4810.2 | 3210.9 | 1842.3 | 702.5 |
| 82.5° | 194.2 | 189.5 | 263.3 | 785.8 | 2252.5 | 3076.9 | 2511.0 | 1432.2 | 665.3 | 190.2 |
| 85° | 72.4 | 71.7 | 127.9 | 271.4 | 794.6 | 1269.0 | 918.5 | 366.2 | 165.8 | 92.7 |
| 87.5° | 20.3 | 19.6 | 27.7 | 94.1 | 193.6 | 293.7 | 157.0 | 60.2 | 46.7 | 36.5 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1459.2 | 0° | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 | 1459.2 |
| 1461.9 | 2.5° | 1464.0 | 1467.4 | 1473.5 | 1478.2 | 1484.3 | 1491.0 | 1500.5 | 1506.6 | 1512.7 | 1516.8 |
| 1465.3 | 5° | 1470.1 | 1477.5 | 1493.1 | 1508.6 | 1526.9 | 1543.8 | 1563.5 | 1577.7 | 1589.2 | 1592.6 |
| 1477.5 | 7.5° | 1483.6 | 1495.8 | 1522.2 | 1548.6 | 1577.7 | 1605.4 | 1633.9 | 1658.2 | 1677.9 | 1685.3 |
| 1499.2 | 10° | 1507.3 | 1523.5 | 1560.8 | 1598.0 | 1636.6 | 1679.2 | 1715.8 | 1750.9 | 1778.7 | 1790.2 |
| 1524.9 | 12.5° | 1537.1 | 1557.4 | 1606.1 | 1657.5 | 1711.0 | 1769.9 | 1817.3 | 1860.6 | 1895.1 | 1910.7 |
| 1560.8 | 15° | 1575.7 | 1602.0 | 1664.3 | 1733.4 | 1811.9 | 1893.8 | 1954.0 | 2002.1 | 2040.6 | 2059.6 |
| 1598.0 | 17.5° | 1617.6 | 1652.8 | 1731.3 | 1835.6 | 1947.9 | 2055.5 | 2125.9 | 2161.1 | 2201.0 | 2219.3 |
| 1632.5 | 20° | 1658.2 | 1701.5 | 1813.9 | 1965.5 | 2115.1 | 2229.5 | 2286.3 | 2295.8 | 2298.5 | 2300.5 |
| 1665.0 | 22.5° | 1700.2 | 1758.4 | 1917.4 | 2129.3 | 2289.7 | 2368.9 | 2377.0 | 2336.4 | 2279.6 | 2253.2 |
| 1696.8 | 25° | 1746.2 | 1823.4 | 2052.8 | 2310.0 | 2440.0 | 2449.4 | 2387.2 | 2288.3 | 2180.7 | 2131.3 |
| 1722.5 | 27.5° | 1790.9 | 1898.5 | 2215.3 | 2482.6 | 2548.3 | 2465.0 | 2331.0 | 2190.9 | 2060.9 | 2008.8 |
| 1740.8 | 30° | 1835.6 | 1984.5 | 2394.6 | 2633.5 | 2597.7 | 2426.4 | 2242.3 | 2086.0 | 1955.4 | 1900.5 |
| 1757.0 | 32.5° | 1880.9 | 2084.6 | 2601.0 | 2742.5 | 2588.9 | 2344.5 | 2132.0 | 1968.2 | 1853.2 | 1795.6 |
| 1771.3 | 35° | 1932.3 | 2207.8 | 2796.6 | 2802.1 | 2530.0 | 2224.1 | 1986.5 | 1827.4 | 1727.3 | 1681.2 |
| 1788.2 | 37.5° | 1999.3 | 2364.2 | 2969.2 | 2817.0 | 2427.1 | 2047.4 | 1805.8 | 1660.9 | 1578.4 | 1557.4 |
| 1813.2 | 40° | 2082.6 | 2552.3 | 3101.2 | 2793.3 | 2274.8 | 1832.8 | 1608.1 | 1492.4 | 1445.7 | 1450.4 |
| 1847.1 | 42.5° | 2190.9 | 2762.8 | 3193.9 | 2732.3 | 2063.0 | 1611.5 | 1434.9 | 1383.4 | 1405.8 | 1424.7 |
| 1897.8 | 45° | 2331.7 | 2981.4 | 3251.5 | 2628.8 | 1823.4 | 1424.0 | 1332.7 | 1344.9 | 1361.8 | 1363.8 |
| 1979.7 | 47.5° | 2511.7 | 3202.7 | 3289.4 | 2472.4 | 1579.0 | 1292.1 | 1267.7 | 1270.4 | 1267.0 | 1252.8 |
| 2102.2 | 50° | 2736.4 | 3418.0 | 3323.2 | 2265.3 | 1371.2 | 1209.5 | 1177.0 | 1167.5 | 1120.8 | 1074.8 |
| 2265.3 | 52.5° | 2992.2 | 3615.6 | 3337.4 | 2008.1 | 1209.5 | 1140.5 | 1087.7 | 1028.1 | 940.8 | 926.6 |
| 2470.4 | 55° | 3276.5 | 3798.3 | 3300.9 | 1692.1 | 1073.4 | 1051.8 | 971.9 | 900.2 | 890.7 | 878.5 |
| 2740.5 | 57.5° | 3616.3 | 3995.3 | 3226.4 | 1339.4 | 934.0 | 948.2 | 870.4 | 878.5 | 861.6 | 842.6 |
| 3087.7 | 60° | 3987.9 | 4199.0 | 3095.8 | 1017.9 | 789.9 | 819.0 | 844.0 | 843.3 | 838.6 | 823.0 |
| 3453.8 | 62.5° | 4322.2 | 4333.0 | 2838.6 | 779.7 | 663.3 | 718.8 | 787.1 | 786.5 | 782.4 | 773.6 |
| 3836.3 | 65° | 4521.2 | 4312.7 | 2409.5 | 613.9 | 559.1 | 636.2 | 710.0 | 715.4 | 716.1 | 715.4 |
| 4123.9 | 67.5° | 4486.0 | 4075.2 | 1820.7 | 488.7 | 473.1 | 552.3 | 633.5 | 641.0 | 646.4 | 647.7 |
| 4160.5 | 70° | 4088.0 | 3553.3 | 1187.2 | 389.9 | 396.6 | 478.5 | 561.1 | 568.5 | 573.3 | 578.7 |
| 3610.2 | 72.5° | 3186.5 | 2612.5 | 679.5 | 315.4 | 329.6 | 414.9 | 489.3 | 498.1 | 500.9 | 511.0 |
| 2512.4 | 75° | 1941.8 | 1536.4 | 366.8 | 248.4 | 270.7 | 354.7 | 418.3 | 428.4 | 433.2 | 445.4 |
| 1233.9 | 77.5° | 923.2 | 665.3 | 209.1 | 193.6 | 217.9 | 289.7 | 353.3 | 364.8 | 351.9 | 358.7 |
| 340.4 | 80° | 312.0 | 247.0 | 132.0 | 147.5 | 166.5 | 226.1 | 282.9 | 294.4 | 267.3 | 266.0 |
| 113.0 | 82.5° | 109.0 | 100.2 | 83.9 | 98.1 | 107.6 | 161.8 | 213.9 | 228.8 | 199.0 | 198.3 |
| 50.8 | 85° | 42.6 | 40.6 | 46.7 | 53.5 | 64.3 | 99.5 | 140.8 | 148.2 | 122.5 | 98.8 |
| 14.9 | 87.5° | 8.8 | 9.5 | 11.5 | 12.2 | 19.6 | 34.5 | 50.8 | 62.3 | 49.4 | 42.0 |
| 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° |
|--------|
| 1459.2 |
| 1514.1 |
| 1593.9 |
| 1686.0 |
| 1790.9 |
| 1910.7 |
| 2058.2 |
| 2218.6 |
| 2305.9 |
| 2260.6 |
| 2138.8 |
| 2014.9 |
| 1906.6 |
| 1803.1 |
| 1691.4 |
| 1572.3 |
| 1466.7 |
| 1442.3 |
| 1377.3 |
| 1263.6 |
| 1080.9 |
| 931.3 |
| 880.6 |
| 839.3 |
| 817.6 |
| 770.2 |
| 715.4 |
| 649.1 |
| 581.4 |
| 515.1 |
| 446.7 |
| 353.3 |
| 263.3 |
| 188.8 |
| 97.5 |
| 38.6 |
| 0.0 |

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