

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: LUMARK

Report Number: P962394

Luminaire Tested: **NAV-SB2C-727-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB2C-727-U-SLR-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10867.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

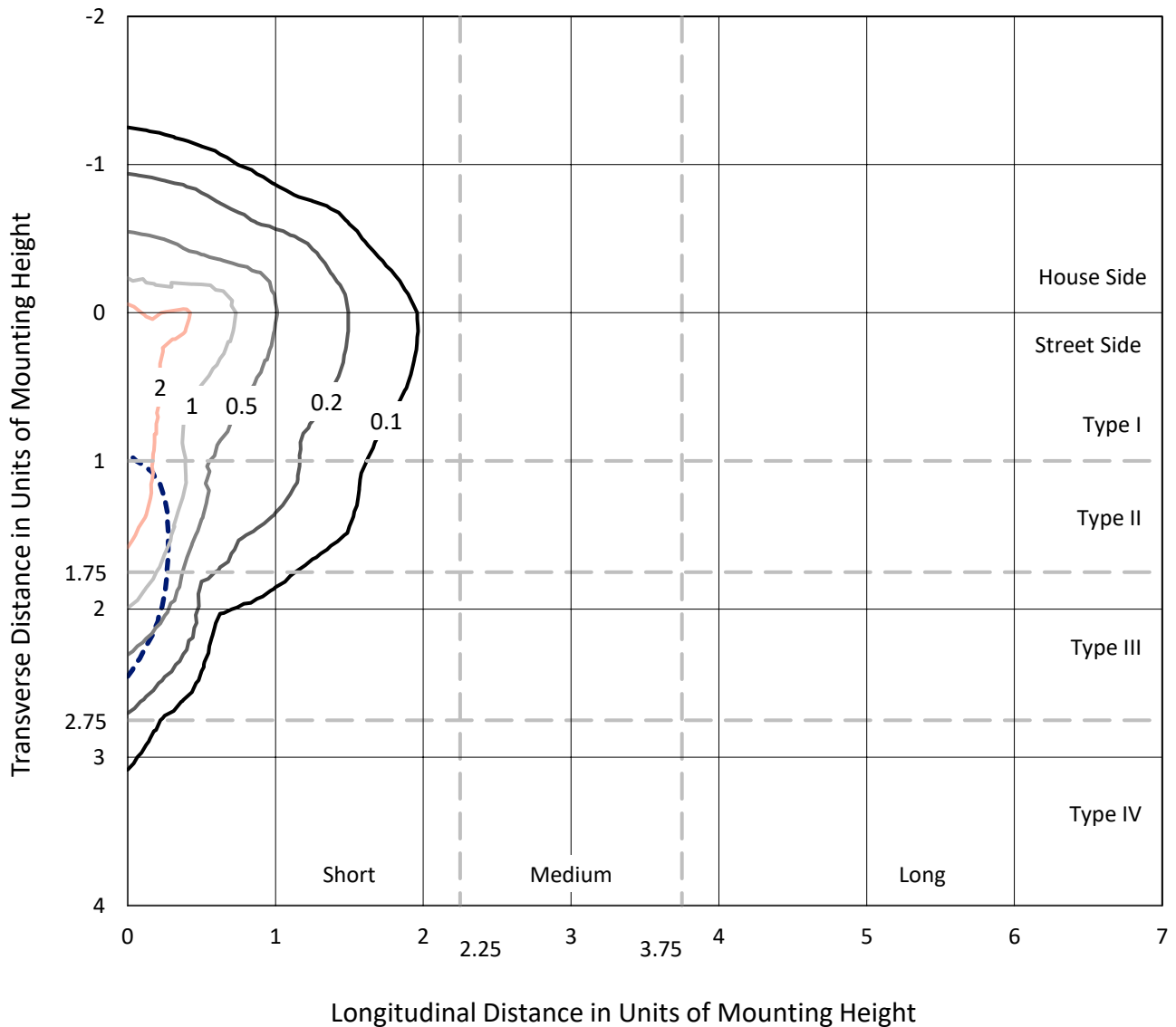
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P962394
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Iso-Footcandle Lines of Horizontal Illumination

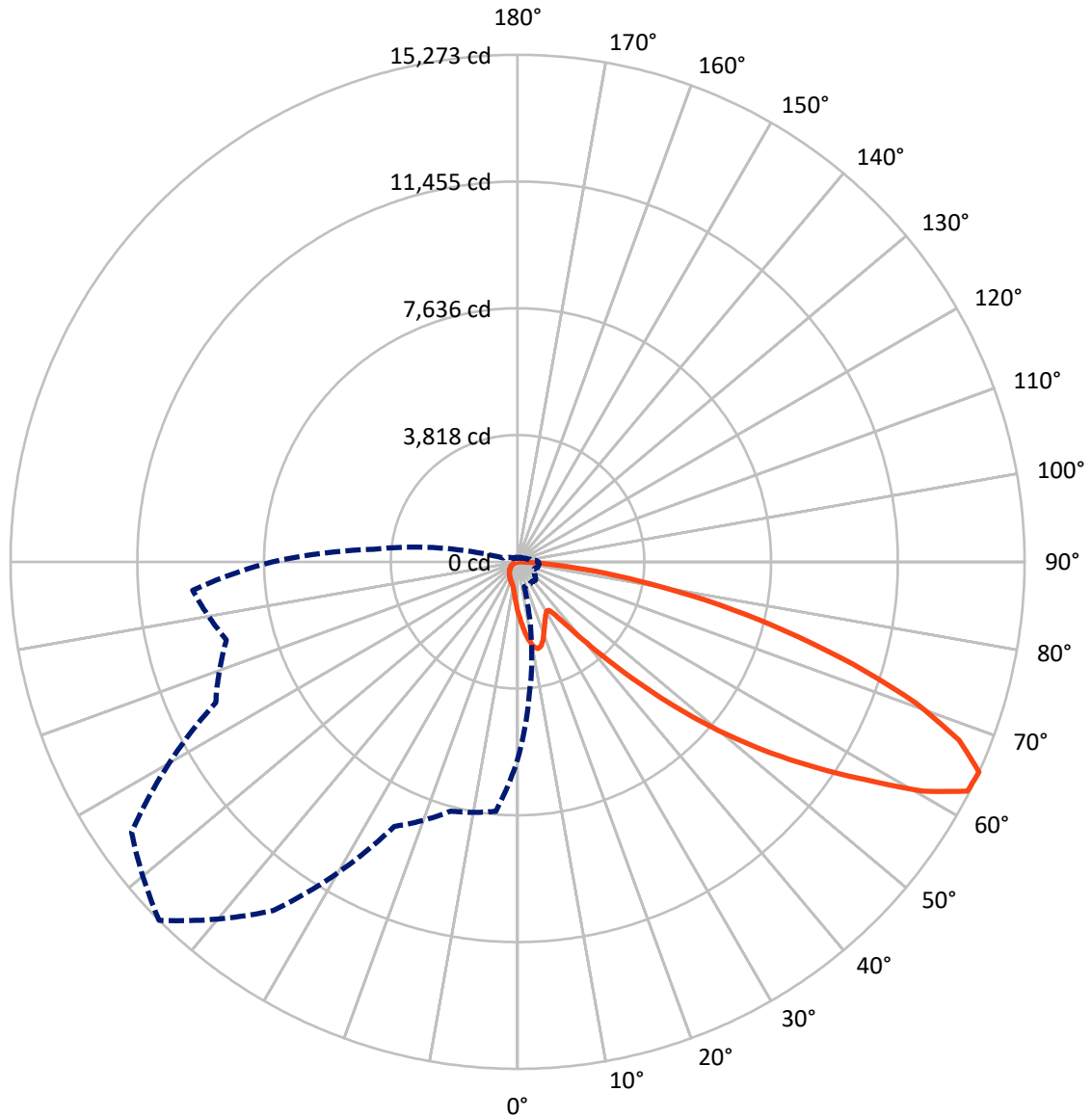
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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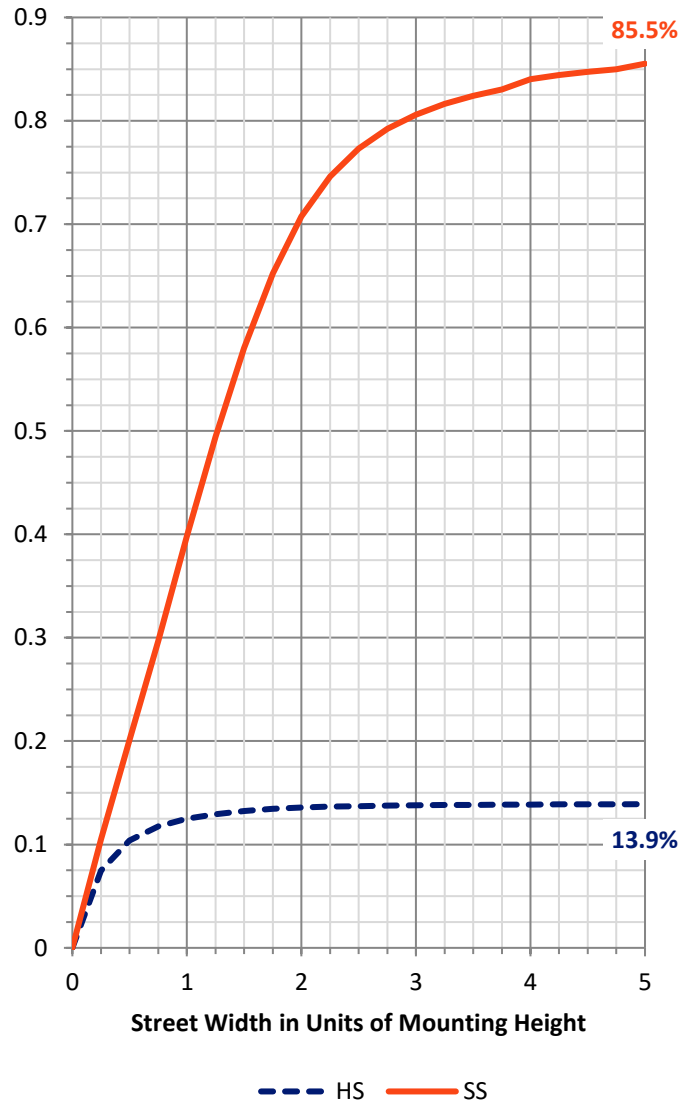
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1521.8 | 0.0 | 1521.8 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 9345.2 | 0.0 | 9345.2 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 10867.1 | 0.0 | 10867.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 148.1 | 1.4 |
| 10°-20° | 444.1 | 4.1 |
| 20°-30° | 654.2 | 6.0 |
| 30°-40° | 840.5 | 7.7 |
| 40°-50° | 1359.4 | 12.5 |
| 50°-60° | 2383.8 | 21.9 |
| 60°-70° | 2982.8 | 27.4 |
| 70°-80° | 1743.0 | 16.0 |
| 80°-90° | 311.0 | 2.9 |
| 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° | 10867.1 | 100.0 |
| 0°-180° | 10867.1 | 100.0 |

Coefficient of Utilization



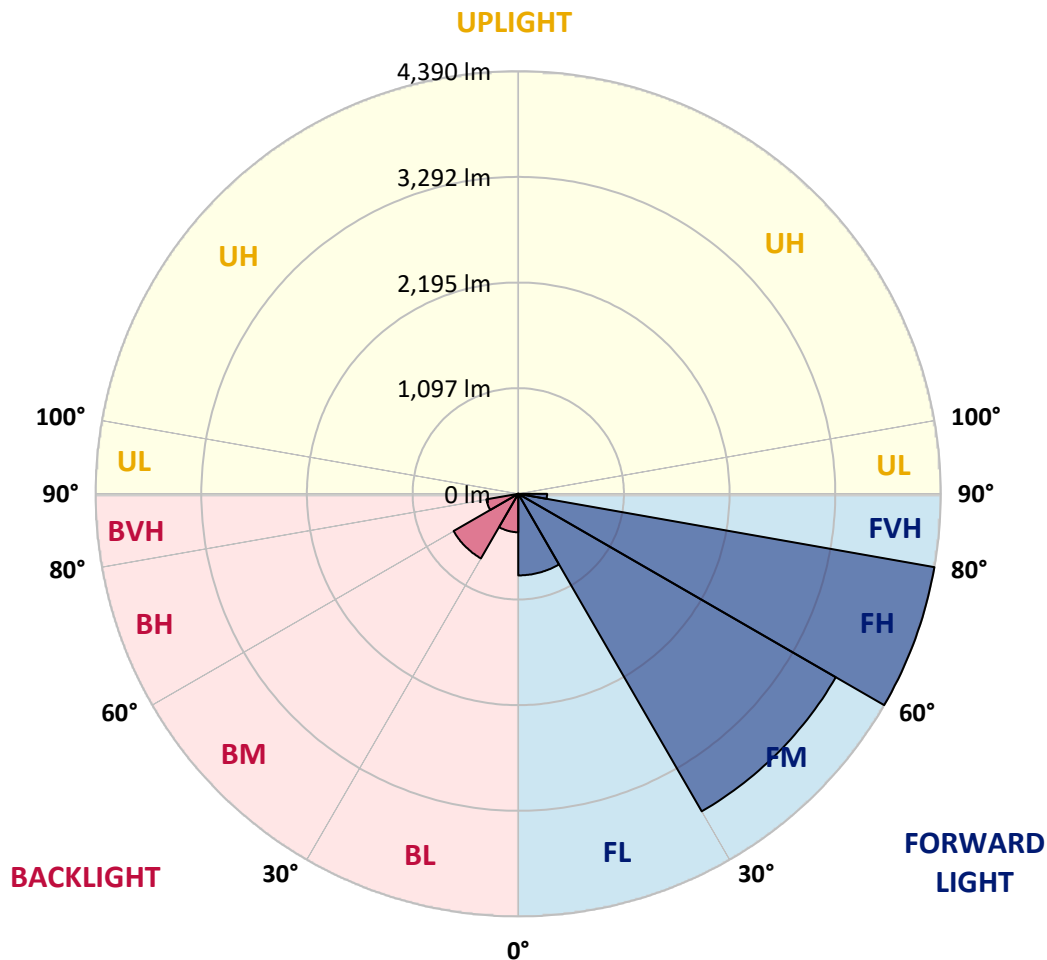
REPORT NUMBER: P962394
 CATALOG NUMBER: NAV-SB2C-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 847.6 | 7.8 | | | |
| FM (30°-60°) | 3808.8 | 35.0 | | | |
| FH (60°-80°) | 4389.8 | 40.4 | | | G2/5000 |
| FVH (80°-90°) | 299.0 | 2.8 | | | G3/500 |
| BL (0°-30°) | 398.9 | 3.7 | B1/500 | | |
| BM (30°-60°) | 775.0 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 336.0 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.9 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P962394
 CATALOG NUMBER: NAV-SB2C-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 |
| 2.5° | 1700.2 | 1671.0 | 1653.7 | 1611.0 | 1568.4 | 1533.9 | 1487.5 | 1456.8 | 1420.1 | 1385.0 | 1353.5 |
| 5° | 1894.8 | 1847.6 | 1790.7 | 1712.9 | 1641.7 | 1569.1 | 1498.8 | 1429.2 | 1355.8 | 1288.4 | 1247.2 |
| 7.5° | 2059.4 | 1991.4 | 1891.0 | 1787.7 | 1697.1 | 1609.6 | 1527.1 | 1435.1 | 1346.0 | 1240.5 | 1184.3 |
| 10° | 2185.2 | 2098.4 | 1966.7 | 1831.2 | 1727.1 | 1638.8 | 1558.6 | 1480.8 | 1390.9 | 1263.7 | 1193.3 |
| 12.5° | 2261.6 | 2168.8 | 2012.3 | 1853.6 | 1734.6 | 1635.8 | 1573.6 | 1539.1 | 1504.0 | 1377.5 | 1295.1 |
| 15° | 2317.7 | 2217.4 | 2044.5 | 1869.3 | 1717.4 | 1596.0 | 1550.4 | 1584.9 | 1625.2 | 1544.4 | 1449.4 |
| 17.5° | 2376.2 | 2270.6 | 2086.4 | 1876.1 | 1671.0 | 1518.9 | 1499.5 | 1588.5 | 1682.1 | 1678.4 | 1584.1 |
| 20° | 2431.5 | 2326.8 | 2123.1 | 1871.5 | 1596.0 | 1425.4 | 1442.6 | 1556.4 | 1664.9 | 1710.6 | 1659.7 |
| 22.5° | 2495.2 | 2384.4 | 2158.2 | 1854.3 | 1498.8 | 1337.8 | 1391.7 | 1505.5 | 1600.5 | 1654.5 | 1638.8 |
| 25° | 2573.1 | 2457.0 | 2207.7 | 1828.9 | 1393.9 | 1265.2 | 1340.1 | 1446.4 | 1523.5 | 1560.9 | 1560.2 |
| 27.5° | 2656.9 | 2543.8 | 2273.6 | 1815.4 | 1309.3 | 1213.5 | 1281.7 | 1376.0 | 1444.8 | 1471.1 | 1471.1 |
| 30° | 2760.9 | 2644.9 | 2351.5 | 1800.4 | 1254.0 | 1183.6 | 1221.0 | 1294.4 | 1361.7 | 1388.0 | 1388.0 |
| 32.5° | 2874.7 | 2757.1 | 2426.3 | 1764.5 | 1220.3 | 1161.1 | 1161.8 | 1208.3 | 1269.7 | 1301.1 | 1305.6 |
| 35° | 3017.0 | 2891.9 | 2506.4 | 1685.9 | 1193.3 | 1134.9 | 1104.2 | 1126.7 | 1177.6 | 1215.0 | 1224.8 |
| 37.5° | 3219.8 | 3068.6 | 2604.4 | 1573.6 | 1153.6 | 1094.5 | 1043.6 | 1048.8 | 1087.7 | 1128.9 | 1143.9 |
| 40° | 3499.9 | 3305.9 | 2719.7 | 1456.8 | 1096.8 | 1037.6 | 976.9 | 974.7 | 1003.2 | 1043.6 | 1060.1 |
| 42.5° | 3878.6 | 3619.6 | 2858.2 | 1345.3 | 1042.1 | 968.7 | 906.6 | 902.8 | 925.3 | 960.5 | 977.7 |
| 45° | 4378.7 | 4020.9 | 3028.2 | 1249.5 | 999.4 | 901.4 | 840.0 | 838.4 | 857.2 | 887.9 | 905.8 |
| 47.5° | 5018.8 | 4578.6 | 3198.1 | 1184.3 | 976.9 | 848.2 | 785.4 | 788.3 | 804.7 | 832.5 | 845.2 |
| 50° | 5847.5 | 5305.5 | 3249.8 | 1151.4 | 976.9 | 819.8 | 736.7 | 751.6 | 765.1 | 786.1 | 793.6 |
| 52.5° | 6841.0 | 6003.2 | 3079.1 | 1121.5 | 983.0 | 823.5 | 695.5 | 727.6 | 737.4 | 755.3 | 758.4 |
| 55° | 7761.7 | 6345.4 | 2647.2 | 1080.2 | 984.4 | 846.6 | 660.3 | 708.2 | 726.2 | 732.9 | 732.2 |
| 57.5° | 8296.2 | 6227.8 | 2140.3 | 1010.6 | 978.5 | 862.4 | 637.9 | 684.3 | 718.7 | 723.1 | 716.5 |
| 60° | 8194.5 | 5815.3 | 1575.8 | 957.5 | 934.3 | 856.4 | 631.1 | 647.6 | 702.2 | 709.0 | 700.0 |
| 62.5° | 7409.9 | 5123.6 | 1093.8 | 916.4 | 837.0 | 830.2 | 628.8 | 589.9 | 666.2 | 682.8 | 670.0 |
| 65° | 5956.1 | 4033.6 | 772.5 | 789.0 | 733.7 | 773.4 | 616.8 | 530.0 | 622.9 | 645.3 | 625.9 |
| 67.5° | 4321.1 | 2729.5 | 557.7 | 639.3 | 664.8 | 681.2 | 589.9 | 486.6 | 573.5 | 603.4 | 577.9 |
| 70° | 2772.9 | 1474.1 | 391.5 | 422.2 | 560.0 | 578.7 | 543.5 | 447.7 | 523.3 | 557.7 | 530.0 |
| 72.5° | 1971.2 | 870.6 | 281.5 | 295.7 | 450.0 | 482.2 | 478.4 | 404.3 | 464.9 | 506.9 | 473.9 |
| 75° | 1360.3 | 479.9 | 190.1 | 211.2 | 326.4 | 391.5 | 369.1 | 347.4 | 393.8 | 436.4 | 404.3 |
| 77.5° | 852.7 | 214.8 | 113.8 | 146.8 | 214.1 | 307.7 | 253.1 | 268.8 | 307.0 | 346.7 | 312.9 |
| 80° | 474.7 | 83.1 | 63.7 | 97.3 | 116.7 | 223.9 | 140.0 | 172.9 | 226.1 | 254.5 | 227.6 |
| 82.5° | 103.3 | 10.5 | 28.5 | 41.9 | 45.7 | 130.3 | 74.1 | 100.3 | 142.3 | 140.0 | 121.3 |
| 85° | 0.0 | 0.0 | 5.2 | 5.9 | 3.0 | 56.2 | 27.0 | 32.9 | 46.4 | 43.5 | 32.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 |
| 90° | 0.0 | 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 |
| 2.5° | 1347.6 | 1310.9 | 1283.9 | 1270.4 | 1259.2 | 1269.7 | 1275.6 | 1275.6 | 1301.1 | 1316.1 | 1322.0 |
| 5° | 1221.0 | 1155.2 | 1104.9 | 1071.3 | 1051.0 | 1057.8 | 1065.3 | 1073.5 | 1105.8 | 1127.4 | 1141.6 |
| 7.5° | 1133.4 | 1032.4 | 956.0 | 908.9 | 884.2 | 887.9 | 893.1 | 899.8 | 931.3 | 953.0 | 971.7 |
| 10° | 1116.9 | 971.7 | 863.9 | 801.8 | 771.8 | 766.6 | 763.6 | 761.4 | 780.0 | 796.5 | 811.5 |
| 12.5° | 1184.3 | 974.7 | 824.2 | 748.7 | 712.0 | 696.2 | 678.2 | 664.0 | 667.1 | 677.5 | 696.2 |
| 15° | 1304.8 | 1012.9 | 811.5 | 720.9 | 675.3 | 649.0 | 628.1 | 610.9 | 607.1 | 610.9 | 613.9 |
| 17.5° | 1442.6 | 1064.6 | 810.1 | 697.0 | 640.1 | 613.2 | 595.9 | 580.2 | 574.9 | 575.7 | 579.4 |
| 20° | 1533.9 | 1105.8 | 805.5 | 670.0 | 606.4 | 582.4 | 567.4 | 551.8 | 546.5 | 548.0 | 548.8 |
| 22.5° | 1542.9 | 1127.4 | 798.8 | 640.1 | 572.7 | 552.5 | 537.5 | 523.3 | 522.5 | 522.5 | 527.1 |
| 25° | 1494.2 | 1127.4 | 784.5 | 613.2 | 540.5 | 522.5 | 509.0 | 491.9 | 494.9 | 496.3 | 502.4 |
| 27.5° | 1418.6 | 1100.4 | 757.6 | 591.4 | 512.8 | 494.0 | 480.6 | 464.9 | 468.6 | 470.9 | 477.6 |
| 30° | 1343.8 | 1066.0 | 725.4 | 566.7 | 486.6 | 464.9 | 455.2 | 441.7 | 443.2 | 446.2 | 453.7 |
| 32.5° | 1274.2 | 1029.4 | 687.3 | 546.5 | 460.4 | 438.7 | 431.2 | 416.3 | 418.5 | 421.5 | 429.7 |
| 35° | 1205.3 | 988.9 | 642.4 | 522.5 | 436.4 | 414.7 | 408.8 | 391.5 | 393.0 | 397.5 | 406.5 |
| 37.5° | 1131.2 | 946.3 | 605.7 | 498.6 | 413.3 | 390.8 | 384.8 | 366.8 | 368.3 | 373.6 | 384.1 |
| 40° | 1053.3 | 904.4 | 569.7 | 473.1 | 388.6 | 366.0 | 360.8 | 341.3 | 342.9 | 348.9 | 360.1 |
| 42.5° | 974.7 | 858.6 | 542.0 | 440.2 | 363.1 | 339.2 | 333.8 | 315.9 | 318.2 | 324.9 | 336.1 |
| 45° | 902.1 | 804.0 | 524.1 | 403.5 | 339.2 | 312.2 | 307.0 | 290.5 | 295.0 | 302.5 | 313.6 |
| 47.5° | 840.0 | 747.8 | 516.6 | 372.8 | 313.6 | 284.4 | 280.0 | 266.5 | 274.0 | 282.2 | 291.2 |
| 50° | 786.8 | 694.0 | 506.9 | 341.3 | 289.8 | 260.6 | 256.0 | 247.0 | 256.8 | 265.0 | 273.3 |
| 52.5° | 748.7 | 632.6 | 485.8 | 312.9 | 268.8 | 240.3 | 238.8 | 234.3 | 243.3 | 250.8 | 258.3 |
| 55° | 715.7 | 569.0 | 452.1 | 288.2 | 250.0 | 223.0 | 224.6 | 222.3 | 229.8 | 235.9 | 242.5 |
| 57.5° | 685.7 | 513.5 | 409.5 | 268.8 | 229.8 | 208.1 | 212.6 | 209.6 | 213.4 | 217.1 | 225.3 |
| 60° | 649.8 | 457.5 | 358.5 | 247.0 | 205.9 | 193.1 | 198.3 | 190.1 | 189.4 | 190.9 | 193.1 |
| 62.5° | 596.7 | 381.8 | 305.4 | 220.1 | 184.9 | 176.7 | 179.0 | 163.2 | 151.2 | 151.2 | 153.4 |
| 65° | 522.5 | 307.0 | 256.0 | 190.1 | 160.9 | 154.3 | 152.7 | 130.3 | 113.8 | 112.3 | 119.0 |
| 67.5° | 436.4 | 252.3 | 212.6 | 160.2 | 134.0 | 129.6 | 131.0 | 114.5 | 98.1 | 96.6 | 104.0 |
| 70° | 355.6 | 208.9 | 171.5 | 128.0 | 103.3 | 107.8 | 114.5 | 98.1 | 82.3 | 80.1 | 86.8 |
| 72.5° | 288.9 | 166.2 | 134.0 | 98.1 | 76.4 | 89.1 | 97.3 | 80.1 | 65.1 | 63.7 | 69.6 |
| 75° | 223.0 | 122.0 | 95.8 | 66.6 | 55.4 | 68.9 | 76.4 | 58.4 | 46.4 | 44.2 | 49.4 |
| 77.5° | 148.9 | 75.6 | 53.9 | 41.9 | 32.9 | 47.2 | 50.9 | 30.6 | 27.0 | 26.2 | 29.9 |
| 80° | 90.6 | 35.2 | 23.2 | 20.2 | 11.3 | 17.2 | 20.2 | 12.7 | 14.2 | 15.0 | 17.9 |
| 82.5° | 45.7 | 9.7 | 3.8 | 0.7 | 0.0 | 0.0 | 5.9 | 3.0 | 5.9 | 7.5 | 11.3 |
| 85° | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.8 | 6.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 |
| 90° | 0.0 | 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):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 0° | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 |
| 2.5° | 1364.0 | 1395.4 | 1425.4 | 1473.3 | 1522.7 | 1571.3 | 1620.7 | 1668.7 | 1685.9 | 1698.6 | 1727.1 |
| 5° | 1206.8 | 1266.0 | 1334.8 | 1429.9 | 1531.7 | 1636.5 | 1742.8 | 1840.1 | 1884.3 | 1914.2 | 1981.6 |
| 7.5° | 1044.4 | 1121.5 | 1220.3 | 1363.2 | 1522.7 | 1689.6 | 1856.6 | 2010.0 | 2081.2 | 2138.9 | 2241.4 |
| 10° | 883.3 | 967.2 | 1092.2 | 1255.4 | 1471.1 | 1710.6 | 1941.1 | 2152.3 | 2244.3 | 2317.0 | 2456.2 |
| 12.5° | 741.9 | 820.5 | 951.5 | 1131.9 | 1390.2 | 1694.1 | 1989.8 | 2243.6 | 2352.2 | 2433.8 | 2586.5 |
| 15° | 642.4 | 697.7 | 813.7 | 1008.4 | 1294.4 | 1641.0 | 1992.8 | 2287.1 | 2406.1 | 2491.5 | 2623.9 |
| 17.5° | 586.9 | 605.7 | 681.2 | 882.6 | 1188.1 | 1571.3 | 1965.1 | 2302.0 | 2429.2 | 2508.7 | 2600.7 |
| 20° | 557.0 | 560.0 | 581.0 | 719.4 | 1051.9 | 1506.2 | 1939.0 | 2317.0 | 2451.0 | 2517.6 | 2545.3 |
| 22.5° | 533.0 | 533.0 | 538.2 | 588.5 | 875.9 | 1428.3 | 1930.7 | 2343.1 | 2480.9 | 2522.1 | 2465.2 |
| 25° | 511.3 | 511.3 | 512.8 | 526.2 | 694.0 | 1309.3 | 1925.5 | 2383.6 | 2522.1 | 2533.4 | 2376.9 |
| 27.5° | 488.8 | 489.6 | 489.6 | 497.1 | 559.2 | 1147.7 | 1903.0 | 2436.0 | 2571.5 | 2548.4 | 2292.3 |
| 30° | 466.4 | 467.9 | 467.9 | 473.1 | 494.9 | 958.3 | 1858.8 | 2499.0 | 2635.9 | 2567.8 | 2208.5 |
| 32.5° | 443.9 | 445.5 | 445.5 | 450.0 | 465.7 | 765.1 | 1803.5 | 2556.6 | 2701.1 | 2576.0 | 2130.6 |
| 35° | 420.8 | 423.0 | 421.5 | 427.4 | 443.9 | 608.6 | 1733.1 | 2614.2 | 2771.4 | 2602.3 | 2092.4 |
| 37.5° | 397.5 | 399.0 | 398.3 | 404.3 | 423.0 | 525.5 | 1651.5 | 2657.6 | 2867.2 | 2660.6 | 2138.0 |
| 40° | 374.3 | 373.6 | 373.6 | 380.3 | 400.5 | 501.5 | 1548.9 | 2726.5 | 3005.0 | 2763.2 | 2337.2 |
| 42.5° | 350.3 | 350.3 | 348.9 | 356.4 | 381.1 | 483.6 | 1450.9 | 2850.0 | 3205.6 | 2926.4 | 2690.5 |
| 45° | 328.6 | 327.9 | 324.9 | 331.7 | 362.3 | 452.1 | 1416.4 | 3080.6 | 3502.1 | 3190.6 | 3118.0 |
| 47.5° | 307.7 | 307.0 | 299.4 | 305.4 | 339.9 | 423.7 | 1545.2 | 3457.9 | 3913.0 | 3579.2 | 3518.5 |
| 50° | 288.9 | 289.8 | 275.5 | 280.7 | 317.4 | 402.0 | 1824.4 | 3947.5 | 4458.9 | 4102.5 | 3898.1 |
| 52.5° | 271.7 | 271.7 | 253.1 | 256.0 | 289.8 | 382.5 | 2090.2 | 4478.3 | 5179.0 | 4832.4 | 4340.6 |
| 55° | 254.5 | 253.1 | 232.1 | 233.6 | 262.0 | 354.9 | 2129.8 | 4996.4 | 6161.2 | 5930.6 | 4945.4 |
| 57.5° | 235.0 | 232.1 | 212.6 | 212.6 | 236.6 | 334.7 | 1846.1 | 5394.6 | 7380.0 | 7544.6 | 5817.6 |
| 60° | 211.2 | 208.9 | 196.2 | 192.4 | 216.4 | 352.6 | 1302.6 | 5441.0 | 8166.0 | 9691.0 | 7487.7 |
| 62.5° | 180.4 | 183.4 | 176.7 | 171.5 | 196.9 | 366.0 | 771.8 | 5067.5 | 7975.8 | 10373.7 | 9488.1 |
| 65° | 142.3 | 154.3 | 152.7 | 148.9 | 216.4 | 308.4 | 455.9 | 4350.3 | 7392.7 | 9822.7 | 9080.1 |
| 67.5° | 121.3 | 129.6 | 127.3 | 127.3 | 226.8 | 234.3 | 286.7 | 3398.8 | 6590.1 | 9169.1 | 8110.6 |
| 70° | 103.3 | 111.5 | 103.3 | 103.3 | 171.5 | 142.3 | 198.3 | 2373.2 | 5724.0 | 8446.0 | 7474.3 |
| 72.5° | 85.4 | 93.6 | 84.6 | 78.6 | 137.0 | 106.3 | 145.2 | 1483.1 | 4902.0 | 7692.9 | 7038.6 |
| 75° | 65.1 | 74.8 | 68.2 | 60.7 | 90.6 | 79.3 | 110.1 | 861.7 | 4061.3 | 6581.9 | 6417.9 |
| 77.5° | 41.2 | 53.9 | 50.9 | 42.6 | 66.6 | 57.6 | 79.3 | 512.8 | 3133.7 | 5143.0 | 5520.3 |
| 80° | 25.4 | 27.7 | 28.5 | 27.0 | 38.1 | 38.9 | 53.9 | 291.9 | 2144.8 | 3584.4 | 4312.8 |
| 82.5° | 16.5 | 16.5 | 12.7 | 14.2 | 18.8 | 22.4 | 30.6 | 110.1 | 1260.6 | 2182.2 | 3002.0 |
| 85° | 12.0 | 10.5 | 6.8 | 6.8 | 9.0 | 11.3 | 12.0 | 33.7 | 511.3 | 861.7 | 1173.8 |
| 87.5° | 5.9 | 5.2 | 2.3 | 3.0 | 4.5 | 3.8 | 3.0 | 1.5 | 128.7 | 275.5 | 193.1 |
| 90° | 0.0 | 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):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 | 1504.7 |
| 2.5° | 1742.1 | 1765.3 | 1766.8 | 1766.8 | 1746.5 | 1745.8 | 1704.6 | 1700.2 |
| 5° | 2051.2 | 2066.2 | 2070.0 | 2062.5 | 2022.0 | 1992.1 | 1912.0 | 1894.8 |
| 7.5° | 2334.2 | 2364.2 | 2364.2 | 2346.2 | 2280.3 | 2218.9 | 2102.9 | 2059.4 |
| 10° | 2560.3 | 2594.8 | 2587.2 | 2550.6 | 2467.5 | 2382.9 | 2242.1 | 2185.2 |
| 12.5° | 2670.3 | 2705.5 | 2686.1 | 2644.2 | 2563.3 | 2474.2 | 2326.0 | 2261.6 |
| 15° | 2668.1 | 2658.3 | 2638.1 | 2632.9 | 2594.0 | 2526.6 | 2388.1 | 2317.7 |
| 17.5° | 2573.1 | 2490.6 | 2475.0 | 2527.3 | 2576.7 | 2560.3 | 2442.1 | 2376.2 |
| 20° | 2422.6 | 2278.8 | 2264.6 | 2364.9 | 2505.6 | 2577.6 | 2492.2 | 2431.5 |
| 22.5° | 2263.8 | 2108.8 | 2075.9 | 2186.7 | 2398.6 | 2582.8 | 2555.8 | 2495.2 |
| 25° | 2113.3 | 1957.6 | 1924.7 | 2028.1 | 2279.6 | 2573.8 | 2624.7 | 2573.1 |
| 27.5° | 1987.6 | 1837.1 | 1806.5 | 1909.8 | 2165.0 | 2548.4 | 2693.6 | 2656.9 |
| 30° | 1890.3 | 1751.0 | 1728.6 | 1828.2 | 2066.2 | 2516.9 | 2781.1 | 2760.9 |
| 32.5° | 1833.4 | 1731.5 | 1739.8 | 1821.4 | 2013.1 | 2482.4 | 2865.0 | 2874.7 |
| 35° | 1889.5 | 1894.0 | 1965.8 | 1999.6 | 2062.5 | 2477.2 | 2978.8 | 3017.0 |
| 37.5° | 2168.8 | 2324.5 | 2473.4 | 2445.8 | 2304.3 | 2537.8 | 3148.7 | 3219.8 |
| 40° | 2644.2 | 2963.8 | 3205.6 | 3100.0 | 2743.7 | 2723.5 | 3393.6 | 3499.9 |
| 42.5° | 3225.1 | 3767.1 | 4165.4 | 3882.4 | 3310.4 | 3048.5 | 3743.1 | 3878.6 |
| 45° | 3838.2 | 4757.5 | 5384.8 | 4796.5 | 3914.6 | 3503.6 | 4272.4 | 4378.7 |
| 47.5° | 4484.3 | 5961.3 | 6772.8 | 5810.1 | 4474.5 | 4021.6 | 4994.1 | 5018.8 |
| 50° | 5191.0 | 7281.1 | 8187.7 | 6823.0 | 5015.0 | 4615.3 | 5876.0 | 5847.5 |
| 52.5° | 5864.0 | 8638.4 | 9572.7 | 7840.3 | 5489.7 | 5351.9 | 6899.4 | 6841.0 |
| 55° | 6506.3 | 9994.9 | 10965.9 | 8818.1 | 5937.3 | 6325.2 | 8115.1 | 7761.7 |
| 57.5° | 7251.2 | 11214.4 | 12401.8 | 9800.2 | 6563.2 | 7588.8 | 9474.6 | 8296.2 |
| 60° | 8352.4 | 12600.1 | 14025.5 | 11146.3 | 7753.5 | 8916.9 | 9962.0 | 8194.5 |
| 62.5° | 9758.3 | 13874.3 | 15206.1 | 12465.3 | 8949.1 | 9166.9 | 9244.1 | 7409.9 |
| 65° | 10031.6 | 14197.0 | 15272.7 | 12817.9 | 8794.9 | 7776.0 | 7546.9 | 5956.1 |
| 67.5° | 9306.9 | 13613.7 | 14341.4 | 12161.4 | 7779.7 | 6009.3 | 5663.3 | 4321.1 |
| 70° | 8493.9 | 12502.0 | 12718.4 | 11045.2 | 6842.5 | 4419.9 | 3824.7 | 2772.9 |
| 72.5° | 7660.6 | 11019.1 | 10571.3 | 9592.2 | 6013.7 | 3218.3 | 2758.7 | 1971.2 |
| 75° | 6671.0 | 9068.9 | 8327.0 | 7969.9 | 4979.1 | 2525.9 | 1995.9 | 1360.3 |
| 77.5° | 5342.2 | 6383.5 | 6185.2 | 6177.7 | 3741.7 | 1845.4 | 1331.8 | 852.7 |
| 80° | 3768.6 | 4142.9 | 4041.9 | 4652.7 | 2510.1 | 1338.5 | 801.8 | 474.7 |
| 82.5° | 1824.4 | 2290.8 | 2351.5 | 2770.7 | 1221.0 | 787.5 | 184.9 | 103.3 |
| 85° | 714.2 | 1104.9 | 932.0 | 1051.9 | 342.9 | 219.4 | 4.5 | 0.0 |
| 87.5° | 80.1 | 128.0 | 117.6 | 92.9 | 41.9 | 9.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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