

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: P146712

Luminaire Tested: **LDRV-T3-E04-E-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146712  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33695)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRV-T3-E04-E-7060  
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (84) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12255 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 97.2  
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: 25 FT

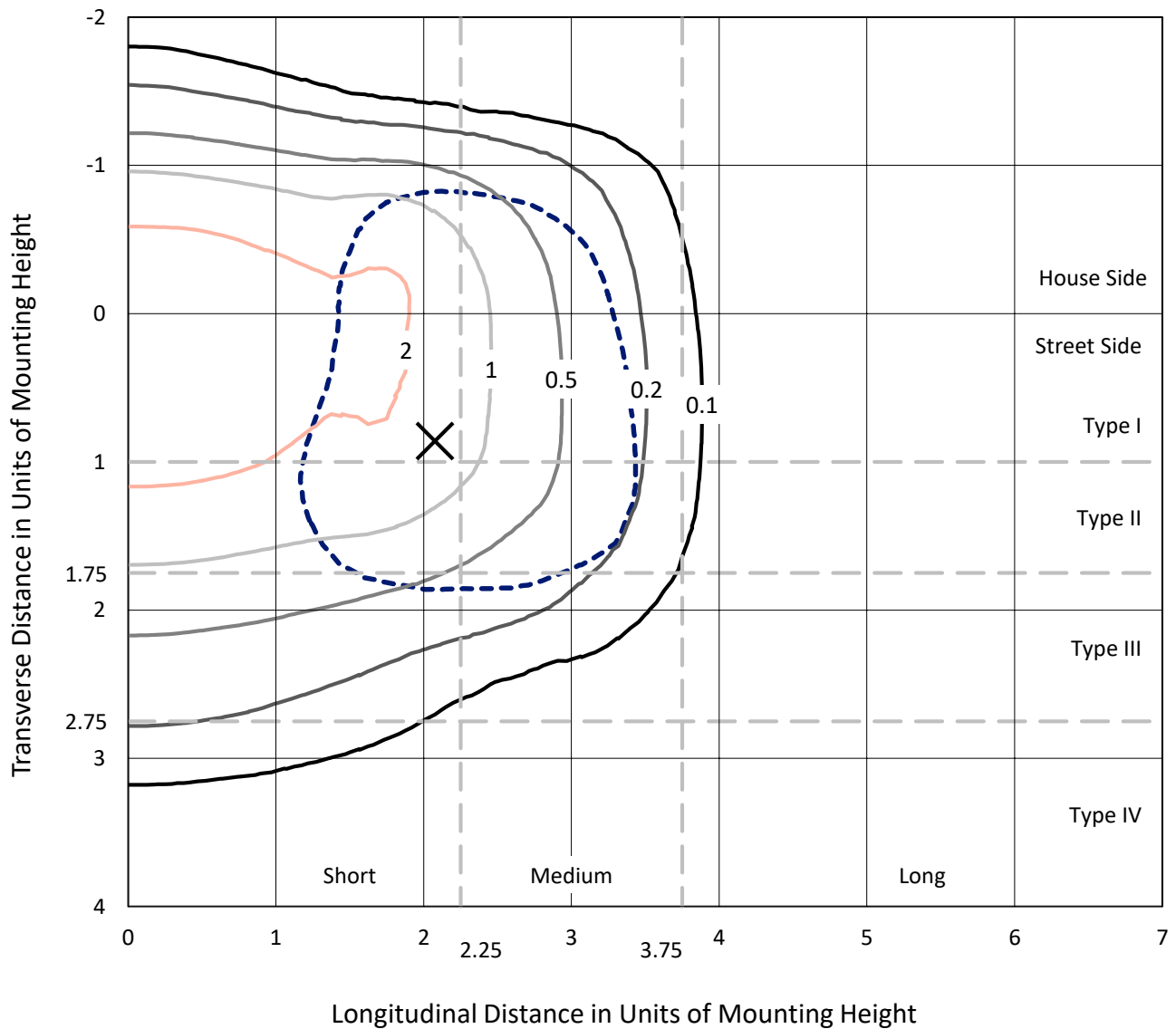


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### Iso-Footcandle Lines of Horizontal Illumination

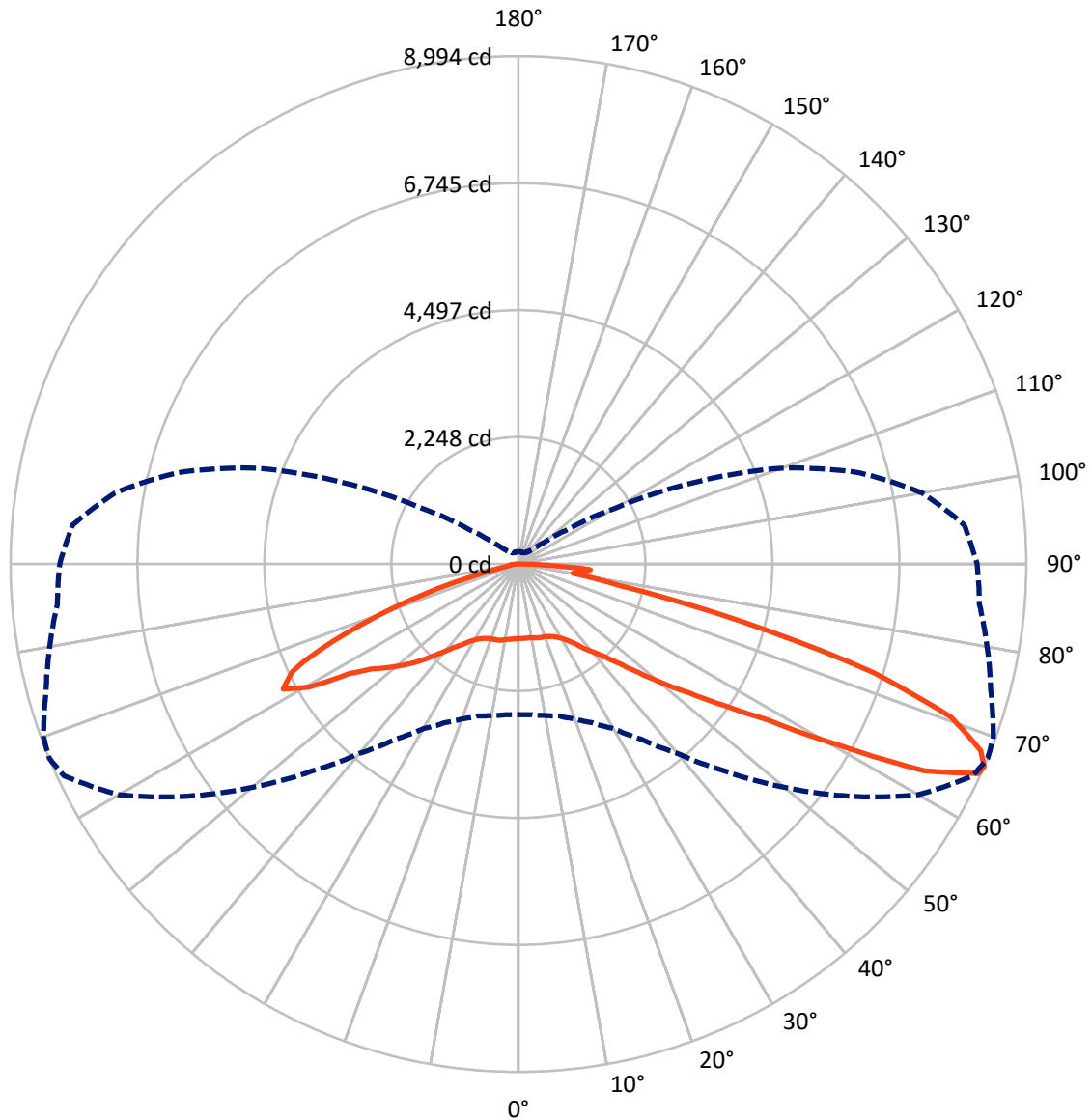
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4163.4   | 0.0    | 4163.4  |
|                    | % Fixture | 34.0     | 0.0    | 34.0    |
| <b>Street Side</b> | Lumens    | 8091.6   | 0.0    | 8091.6  |
|                    | % Fixture | 66.0     | 0.0    | 66.0    |
| <b>Total</b>       | Lumens    | 12255.0  | 0.0    | 12255.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 126.7   | 1.0       |
| 10°-20°   | 375.5   | 3.1       |
| 20°-30°   | 645.5   | 5.3       |
| 30°-40°   | 1038.2  | 8.5       |
| 40°-50°   | 1711.2  | 14.0      |
| 50°-60°   | 2682.3  | 21.9      |
| 60°-70°   | 3712.2  | 30.3      |
| 70°-80°   | 1680.0  | 13.7      |
| 80°-90°   | 283.4   | 2.3       |
| 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°    | 12255.0 | 100.0     |
| 0°-180°   | 12255.0 | 100.0     |



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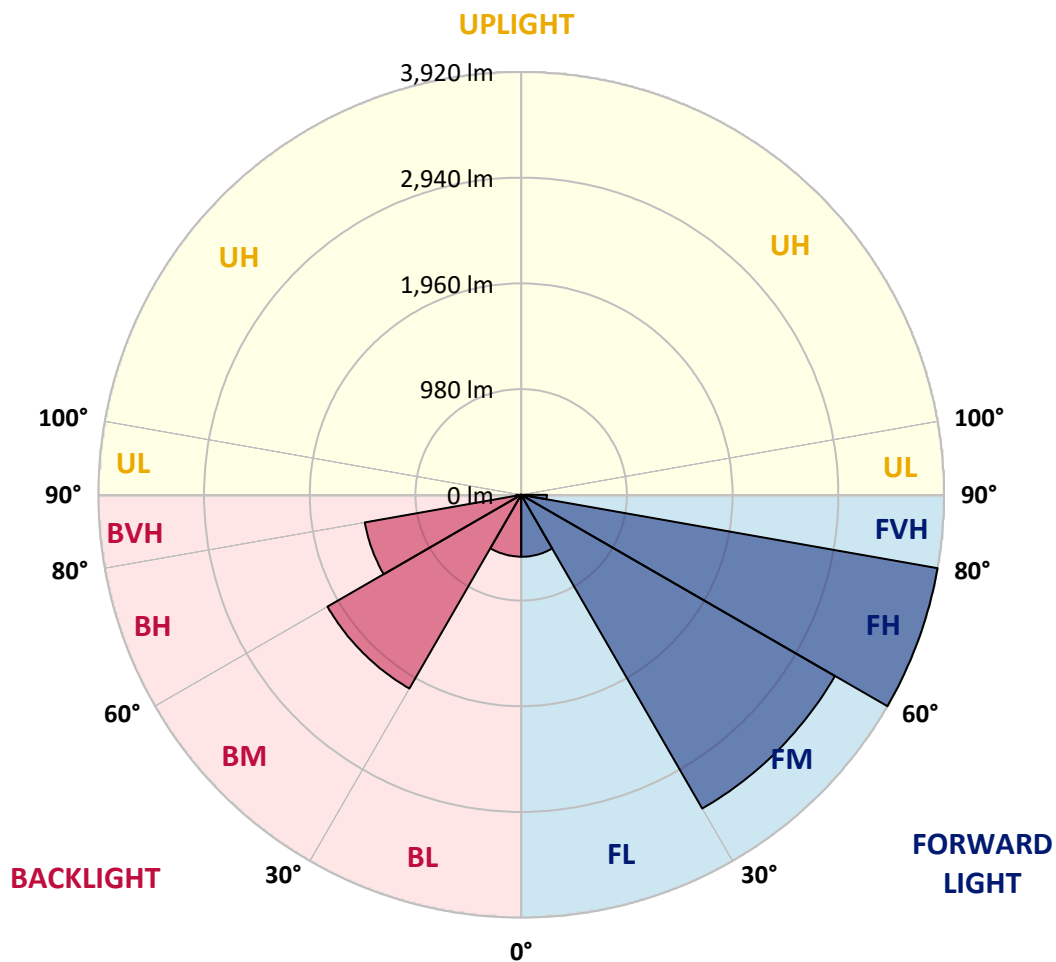
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 574.8  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 3358.3 | 27.4      |                         |      |         |
| FH   | (60°-80°)   | 3920.3 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 238.2  | 1.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 572.9  | 4.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2073.4 | 16.9      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1471.8 | 12.0      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 45.2   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 |
| 2.5°  | 1317.5 | 1316.7 | 1315.9 | 1315.9 | 1315.1 | 1315.9 | 1316.7 | 1317.5 | 1316.7 | 1317.5 | 1316.7 |
| 5°    | 1315.1 | 1315.1 | 1314.2 | 1314.2 | 1314.2 | 1314.2 | 1315.1 | 1315.9 | 1315.1 | 1316.7 | 1315.1 |
| 7.5°  | 1304.4 | 1309.3 | 1307.7 | 1309.3 | 1311.0 | 1312.6 | 1313.4 | 1315.1 | 1317.5 | 1319.2 | 1317.5 |
| 10°   | 1290.4 | 1292.9 | 1293.7 | 1295.4 | 1298.6 | 1302.7 | 1306.0 | 1310.1 | 1315.9 | 1317.5 | 1319.2 |
| 12.5° | 1265.0 | 1268.3 | 1270.7 | 1274.0 | 1278.9 | 1285.5 | 1291.3 | 1297.8 | 1307.7 | 1314.2 | 1320.0 |
| 15°   | 1246.1 | 1250.2 | 1251.0 | 1255.1 | 1260.1 | 1267.4 | 1274.8 | 1284.7 | 1297.8 | 1309.3 | 1320.8 |
| 17.5° | 1258.4 | 1260.1 | 1258.4 | 1258.4 | 1260.1 | 1263.3 | 1269.1 | 1277.3 | 1291.3 | 1305.2 | 1319.2 |
| 20°   | 1295.4 | 1295.4 | 1293.7 | 1292.9 | 1291.3 | 1288.0 | 1287.1 | 1286.3 | 1295.4 | 1306.0 | 1318.3 |
| 22.5° | 1330.7 | 1330.7 | 1329.8 | 1333.1 | 1332.3 | 1332.3 | 1329.8 | 1325.7 | 1321.6 | 1320.0 | 1328.2 |
| 25°   | 1352.8 | 1356.1 | 1357.7 | 1362.7 | 1366.0 | 1370.9 | 1372.5 | 1371.7 | 1366.0 | 1356.1 | 1353.6 |
| 27.5° | 1388.9 | 1391.4 | 1393.0 | 1398.8 | 1405.4 | 1411.1 | 1416.8 | 1424.2 | 1424.2 | 1415.2 | 1402.9 |
| 30°   | 1458.7 | 1455.4 | 1457.1 | 1458.7 | 1464.5 | 1472.7 | 1480.1 | 1489.9 | 1494.8 | 1491.5 | 1475.1 |
| 32.5° | 1523.6 | 1526.8 | 1528.5 | 1533.4 | 1539.2 | 1551.5 | 1560.5 | 1572.0 | 1582.7 | 1584.3 | 1576.1 |
| 35°   | 1618.8 | 1617.1 | 1614.7 | 1631.9 | 1638.5 | 1652.4 | 1663.1 | 1679.5 | 1687.7 | 1695.1 | 1690.2 |
| 37.5° | 1769.0 | 1764.1 | 1760.8 | 1765.7 | 1774.8 | 1783.8 | 1799.4 | 1811.7 | 1825.6 | 1842.9 | 1837.1 |
| 40°   | 1981.6 | 1991.5 | 1977.5 | 1984.1 | 1991.5 | 1970.9 | 1984.9 | 1996.4 | 2020.2 | 2021.0 | 2020.2 |
| 42.5° | 2258.3 | 2265.6 | 2262.4 | 2266.5 | 2253.3 | 2246.8 | 2241.0 | 2246.8 | 2276.3 | 2272.2 | 2252.5 |
| 45°   | 2534.9 | 2545.6 | 2543.1 | 2544.7 | 2570.2 | 2559.5 | 2568.5 | 2570.2 | 2600.6 | 2592.4 | 2577.6 |
| 47.5° | 2771.3 | 2789.4 | 2793.5 | 2808.2 | 2842.7 | 2870.6 | 2909.2 | 2937.9 | 2952.7 | 2962.6 | 2974.1 |
| 50°   | 2958.5 | 2971.6 | 2994.6 | 3031.5 | 3081.6 | 3130.0 | 3217.0 | 3273.7 | 3325.4 | 3361.5 | 3398.5 |
| 52.5° | 3082.4 | 3097.2 | 3132.5 | 3188.3 | 3260.6 | 3349.2 | 3451.0 | 3569.2 | 3678.4 | 3742.4 | 3797.4 |
| 55°   | 3133.3 | 3148.1 | 3191.6 | 3264.7 | 3360.7 | 3474.0 | 3620.1 | 3786.7 | 3932.0 | 4079.0 | 4163.5 |
| 57.5° | 3103.8 | 3120.2 | 3170.3 | 3252.3 | 3368.1 | 3516.7 | 3698.1 | 3902.5 | 4115.1 | 4337.6 | 4507.5 |
| 60°   | 3016.8 | 3031.5 | 3088.2 | 3173.5 | 3305.7 | 3473.2 | 3690.7 | 3946.8 | 4245.6 | 4575.6 | 4898.2 |
| 62.5° | 2896.9 | 2919.1 | 2969.1 | 3056.2 | 3187.5 | 3370.6 | 3618.5 | 3951.7 | 4380.2 | 4912.2 | 5540.1 |
| 65°   | 2744.2 | 2760.6 | 2805.0 | 2873.9 | 3018.4 | 3209.7 | 3471.5 | 3879.5 | 4439.3 | 5193.7 | 6090.1 |
| 66°   | 2665.4 | 2681.0 | 2722.1 | 2786.9 | 2919.1 | 3102.9 | 3364.8 | 3782.6 | 4373.7 | 5192.1 | 6148.4 |
| 67.5° | 2526.7 | 2534.1 | 2563.6 | 2627.7 | 2713.8 | 2878.8 | 3121.8 | 3513.4 | 4095.4 | 4972.9 | 5985.9 |
| 70°   | 2119.5 | 2130.2 | 2158.9 | 2191.8 | 2223.8 | 2282.9 | 2452.8 | 2711.4 | 3176.8 | 4018.2 | 4984.4 |
| 72.5° | 1466.1 | 1482.5 | 1513.7 | 1574.5 | 1624.5 | 1699.2 | 1765.7 | 1851.9 | 2006.2 | 2590.7 | 3565.9 |
| 75°   | 1059.8 | 1065.5 | 1111.5 | 1218.2 | 1319.2 | 1468.6 | 1600.7 | 1642.6 | 1590.1 | 1581.0 | 2094.9 |
| 77.5° | 632.1  | 640.3  | 706.8  | 814.3  | 919.4  | 1122.1 | 1393.0 | 1602.4 | 1718.1 | 1677.1 | 1585.9 |
| 80°   | 266.0  | 277.5  | 316.9  | 344.8  | 431.8  | 601.7  | 869.3  | 1197.7 | 1503.0 | 1691.0 | 1648.3 |
| 82.5° | 85.4   | 99.3   | 117.4  | 142.0  | 167.5  | 224.1  | 347.2  | 519.6  | 820.9  | 1223.9 | 1504.7 |
| 85°   | 31.2   | 32.0   | 44.3   | 61.6   | 68.1   | 78.8   | 101.0  | 156.0  | 277.5  | 458.9  | 853.7  |
| 87.5° | 12.3   | 14.8   | 17.2   | 23.8   | 24.6   | 25.4   | 28.7   | 36.9   | 36.1   | 31.2   | 161.7  |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 |
| 2.5°  | 1317.5 | 1319.2 | 1318.3 | 1319.2 | 1319.2 | 1317.5 | 1317.5 | 1320.8 | 1318.3 | 1320.0 | 1320.0 |
| 5°    | 1316.7 | 1318.3 | 1317.5 | 1319.2 | 1318.3 | 1318.3 | 1323.3 | 1322.4 | 1324.9 | 1326.5 | 1326.5 |
| 7.5°  | 1320.0 | 1320.8 | 1320.0 | 1320.0 | 1322.4 | 1321.6 | 1322.4 | 1324.1 | 1328.2 | 1332.3 | 1335.6 |
| 10°   | 1324.1 | 1325.7 | 1328.2 | 1329.0 | 1332.3 | 1331.5 | 1333.9 | 1336.4 | 1340.5 | 1344.6 | 1348.7 |
| 12.5° | 1329.8 | 1334.8 | 1342.1 | 1343.8 | 1347.1 | 1349.5 | 1353.6 | 1356.1 | 1359.4 | 1366.0 | 1370.9 |
| 15°   | 1334.8 | 1343.8 | 1352.8 | 1356.1 | 1359.4 | 1362.7 | 1366.8 | 1369.2 | 1375.0 | 1380.7 | 1386.5 |
| 17.5° | 1336.4 | 1347.1 | 1358.6 | 1362.7 | 1366.0 | 1371.7 | 1376.6 | 1381.5 | 1388.1 | 1395.5 | 1402.1 |
| 20°   | 1337.2 | 1352.0 | 1366.8 | 1371.7 | 1379.1 | 1387.3 | 1395.5 | 1399.6 | 1408.6 | 1417.7 | 1423.4 |
| 22.5° | 1344.6 | 1362.7 | 1383.2 | 1392.2 | 1399.6 | 1414.4 | 1425.1 | 1431.6 | 1442.3 | 1449.7 | 1452.1 |
| 25°   | 1365.1 | 1384.0 | 1408.6 | 1422.6 | 1434.9 | 1456.2 | 1469.4 | 1481.7 | 1487.4 | 1497.3 | 1494.8 |
| 27.5° | 1402.1 | 1416.8 | 1448.9 | 1467.7 | 1483.3 | 1511.2 | 1536.7 | 1548.2 | 1557.2 | 1562.1 | 1556.4 |
| 30°   | 1465.3 | 1471.0 | 1506.3 | 1529.3 | 1555.6 | 1599.1 | 1627.0 | 1641.8 | 1653.3 | 1654.1 | 1639.3 |
| 32.5° | 1559.7 | 1550.7 | 1581.8 | 1614.7 | 1649.2 | 1701.7 | 1739.5 | 1755.1 | 1764.1 | 1764.9 | 1732.1 |
| 35°   | 1687.7 | 1672.1 | 1698.4 | 1730.4 | 1773.1 | 1842.1 | 1889.7 | 1907.7 | 1921.7 | 1915.1 | 1866.7 |
| 37.5° | 1849.5 | 1848.6 | 1860.9 | 1902.0 | 1950.4 | 2039.1 | 2089.2 | 2099.0 | 2098.2 | 2078.5 | 2005.4 |
| 40°   | 2029.2 | 2014.5 | 2016.1 | 2045.6 | 2101.5 | 2218.0 | 2287.8 | 2304.2 | 2298.5 | 2269.7 | 2174.5 |
| 42.5° | 2255.8 | 2249.2 | 2227.1 | 2242.7 | 2294.4 | 2436.4 | 2520.9 | 2537.4 | 2542.3 | 2494.7 | 2382.2 |
| 45°   | 2573.5 | 2567.7 | 2518.5 | 2521.8 | 2559.5 | 2708.9 | 2796.8 | 2823.8 | 2824.7 | 2779.5 | 2633.4 |
| 47.5° | 2958.5 | 2953.5 | 2896.1 | 2879.7 | 2898.5 | 3031.5 | 3140.7 | 3146.4 | 3148.1 | 3085.7 | 2933.8 |
| 50°   | 3395.2 | 3381.2 | 3337.7 | 3320.5 | 3298.3 | 3445.3 | 3533.1 | 3532.3 | 3523.2 | 3454.3 | 3283.5 |
| 52.5° | 3817.1 | 3848.3 | 3831.9 | 3798.2 | 3799.1 | 3904.9 | 3987.9 | 3941.9 | 3947.6 | 3882.0 | 3685.8 |
| 55°   | 4267.8 | 4347.4 | 4407.3 | 4419.6 | 4413.9 | 4468.1 | 4514.0 | 4432.0 | 4401.6 | 4390.9 | 4182.4 |
| 57.5° | 4746.4 | 4949.9 | 5134.6 | 5211.8 | 5182.2 | 5281.6 | 5322.6 | 5237.2 | 5238.9 | 5322.6 | 5142.8 |
| 60°   | 5385.8 | 5899.7 | 6365.1 | 6509.6 | 6576.9 | 6741.1 | 6668.0 | 6663.1 | 6792.0 | 6900.4 | 6567.1 |
| 62.5° | 6356.1 | 7207.4 | 7950.3 | 8057.8 | 8112.0 | 8148.9 | 8116.1 | 8026.6 | 8159.6 | 8172.7 | 7658.9 |
| 65°   | 7091.6 | 8090.6 | 8808.9 | 8943.5 | 8933.7 | 8745.7 | 8563.5 | 8384.5 | 8382.9 | 8251.5 | 7589.9 |
| 66°   | 7171.2 | 8174.4 | 8874.6 | 8993.6 | 8950.1 | 8660.3 | 8428.8 | 8196.5 | 8121.8 | 7924.8 | 7253.3 |
| 67.5° | 6997.2 | 8028.2 | 8723.5 | 8830.3 | 8737.5 | 8296.7 | 7981.5 | 7667.1 | 7554.6 | 7280.4 | 6595.8 |
| 70°   | 5981.8 | 7044.0 | 7974.1 | 8128.4 | 8018.4 | 7433.1 | 6966.0 | 6620.4 | 6314.2 | 6044.2 | 5479.4 |
| 72.5° | 4638.0 | 5432.6 | 6416.9 | 6577.7 | 6586.8 | 6128.7 | 5602.5 | 5270.9 | 4914.6 | 4643.7 | 4220.2 |
| 75°   | 3042.2 | 3643.1 | 4184.0 | 4129.9 | 4145.5 | 3785.1 | 3471.5 | 3195.7 | 2873.1 | 2659.7 | 2457.7 |
| 77.5° | 1778.0 | 1993.1 | 1943.9 | 1809.2 | 1695.9 | 1333.1 | 953.9  | 655.1  | 571.3  | 596.0  | 672.3  |
| 80°   | 1545.7 | 1425.1 | 1115.6 | 981.0  | 892.3  | 605.8  | 325.9  | 229.8  | 201.9  | 204.4  | 216.7  |
| 82.5° | 1663.9 | 1726.3 | 1416.8 | 1166.5 | 1017.1 | 713.3  | 383.4  | 191.3  | 137.9  | 160.9  | 177.3  |
| 85°   | 1291.3 | 1643.4 | 1515.4 | 1280.6 | 1077.0 | 758.5  | 391.6  | 121.5  | 82.1   | 110.0  | 138.7  |
| 87.5° | 367.8  | 582.0  | 465.4  | 411.3  | 331.6  | 226.6  | 93.6   | 48.4   | 44.3   | 57.5   | 79.6   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 |
| 2.5°  | 1320.8 | 1320.8 | 1323.3 | 1324.1 | 1324.9 | 1324.9 | 1326.5 | 1326.5 | 1327.4 | 1330.7 | 1329.8 |
| 5°    | 1329.0 | 1331.5 | 1334.8 | 1336.4 | 1338.9 | 1339.7 | 1342.1 | 1342.1 | 1344.6 | 1347.1 | 1346.3 |
| 7.5°  | 1338.9 | 1341.3 | 1343.8 | 1346.3 | 1348.7 | 1352.0 | 1351.2 | 1350.4 | 1349.5 | 1347.9 | 1346.3 |
| 10°   | 1352.8 | 1355.3 | 1357.7 | 1356.9 | 1355.3 | 1353.6 | 1347.1 | 1339.7 | 1336.4 | 1329.8 | 1324.9 |
| 12.5° | 1375.8 | 1378.3 | 1375.8 | 1369.2 | 1360.2 | 1349.5 | 1335.6 | 1323.3 | 1315.9 | 1306.0 | 1300.3 |
| 15°   | 1393.0 | 1395.5 | 1390.6 | 1379.1 | 1364.3 | 1350.4 | 1331.5 | 1315.9 | 1302.7 | 1292.1 | 1283.9 |
| 17.5° | 1406.2 | 1404.5 | 1393.9 | 1380.7 | 1365.1 | 1353.6 | 1336.4 | 1319.2 | 1303.6 | 1288.8 | 1277.3 |
| 20°   | 1425.1 | 1416.0 | 1400.4 | 1384.0 | 1368.4 | 1358.6 | 1344.6 | 1329.0 | 1312.6 | 1291.3 | 1276.5 |
| 22.5° | 1449.7 | 1433.3 | 1412.7 | 1396.3 | 1381.5 | 1371.7 | 1357.7 | 1343.0 | 1327.4 | 1302.7 | 1282.2 |
| 25°   | 1485.0 | 1458.7 | 1434.9 | 1417.7 | 1404.5 | 1394.7 | 1377.4 | 1361.8 | 1344.6 | 1320.0 | 1293.7 |
| 27.5° | 1534.2 | 1496.5 | 1471.8 | 1454.6 | 1441.5 | 1430.0 | 1407.8 | 1388.9 | 1366.8 | 1342.1 | 1311.0 |
| 30°   | 1598.3 | 1552.3 | 1525.2 | 1510.4 | 1496.5 | 1480.1 | 1456.2 | 1428.3 | 1399.6 | 1366.8 | 1333.1 |
| 32.5° | 1677.9 | 1626.2 | 1600.7 | 1585.9 | 1567.9 | 1545.7 | 1514.5 | 1477.6 | 1434.9 | 1391.4 | 1349.5 |
| 35°   | 1791.2 | 1732.1 | 1704.2 | 1678.7 | 1652.4 | 1619.6 | 1572.8 | 1519.5 | 1462.8 | 1406.2 | 1354.5 |
| 37.5° | 1903.6 | 1848.6 | 1814.2 | 1787.9 | 1746.8 | 1693.5 | 1628.6 | 1554.8 | 1479.2 | 1407.0 | 1344.6 |
| 40°   | 2062.9 | 1998.9 | 1958.6 | 1911.8 | 1845.3 | 1762.4 | 1668.0 | 1568.7 | 1475.1 | 1388.1 | 1314.2 |
| 42.5° | 2258.3 | 2185.2 | 2125.3 | 2040.7 | 1937.3 | 1817.4 | 1686.9 | 1560.5 | 1446.4 | 1346.3 | 1265.0 |
| 45°   | 2505.3 | 2410.1 | 2310.0 | 2177.0 | 2018.6 | 1851.1 | 1686.1 | 1531.8 | 1397.1 | 1283.9 | 1203.4 |
| 47.5° | 2793.5 | 2659.7 | 2491.4 | 2288.6 | 2071.9 | 1859.3 | 1659.8 | 1480.1 | 1323.3 | 1198.5 | 1105.7 |
| 50°   | 3089.8 | 2896.1 | 2657.2 | 2374.8 | 2099.0 | 1838.8 | 1601.5 | 1395.5 | 1226.4 | 1084.4 | 984.2  |
| 52.5° | 3455.1 | 3154.7 | 2807.4 | 2433.1 | 2087.5 | 1778.0 | 1504.7 | 1276.5 | 1095.9 | 957.2  | 842.2  |
| 55°   | 3890.2 | 3451.8 | 2950.3 | 2465.1 | 2036.6 | 1668.9 | 1357.7 | 1120.5 | 930.9  | 804.5  | 701.0  |
| 57.5° | 4610.1 | 3917.3 | 3194.1 | 2512.7 | 1936.5 | 1506.3 | 1178.8 | 933.3  | 755.2  | 647.7  | 564.8  |
| 60°   | 5851.3 | 4871.9 | 3709.6 | 2630.1 | 1797.7 | 1274.8 | 951.4  | 731.4  | 584.5  | 498.3  | 440.0  |
| 62.5° | 6717.3 | 5450.7 | 3987.0 | 2589.9 | 1562.1 | 1003.9 | 703.5  | 522.9  | 426.0  | 369.4  | 330.0  |
| 65°   | 6549.0 | 5222.5 | 3652.9 | 2200.0 | 1223.9 | 710.1  | 467.9  | 353.8  | 298.8  | 263.5  | 243.8  |
| 66°   | 6246.9 | 4970.5 | 3398.5 | 1975.0 | 1061.4 | 591.9  | 385.8  | 293.1  | 256.9  | 231.5  | 218.4  |
| 67.5° | 5696.1 | 4448.4 | 2941.2 | 1585.1 | 794.6  | 436.7  | 293.1  | 228.2  | 208.5  | 195.4  | 186.3  |
| 70°   | 4716.0 | 3517.5 | 2025.1 | 936.6  | 420.3  | 244.6  | 186.3  | 168.3  | 159.3  | 153.5  | 152.7  |
| 72.5° | 3616.0 | 2523.4 | 1171.4 | 453.1  | 224.9  | 162.5  | 142.8  | 136.3  | 133.0  | 131.3  | 131.3  |
| 75°   | 2233.6 | 1423.4 | 523.7  | 227.4  | 155.1  | 133.0  | 124.0  | 120.7  | 119.8  | 119.8  | 119.8  |
| 77.5° | 785.6  | 495.8  | 234.8  | 166.6  | 136.3  | 119.8  | 112.5  | 110.8  | 112.5  | 112.5  | 112.5  |
| 80°   | 216.7  | 191.3  | 169.9  | 147.8  | 123.1  | 110.8  | 104.3  | 103.4  | 106.7  | 107.5  | 104.3  |
| 82.5° | 169.1  | 159.3  | 145.3  | 132.2  | 112.5  | 101.0  | 97.7   | 99.3   | 101.0  | 98.5   | 93.6   |
| 85°   | 144.5  | 137.9  | 101.8  | 101.8  | 91.1   | 87.8   | 87.0   | 88.7   | 87.8   | 81.3   | 74.7   |
| 87.5° | 82.1   | 72.2   | 55.0   | 59.9   | 64.0   | 65.7   | 55.0   | 59.1   | 58.3   | 51.7   | 48.4   |
| 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):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1319.2 | 1319.2 | 1319.2 | 1319.2 | 1319.2 |
| 2.5°  | 1331.5 | 1331.5 | 1333.1 | 1333.1 | 1332.3 |
| 5°    | 1347.9 | 1347.9 | 1350.4 | 1348.7 | 1349.5 |
| 7.5°  | 1344.6 | 1341.3 | 1341.3 | 1339.7 | 1338.9 |
| 10°   | 1321.6 | 1315.9 | 1312.6 | 1314.2 | 1311.8 |
| 12.5° | 1295.4 | 1290.4 | 1287.1 | 1286.3 | 1285.5 |
| 15°   | 1278.9 | 1273.2 | 1270.7 | 1269.1 | 1269.1 |
| 17.5° | 1269.9 | 1263.3 | 1260.1 | 1257.6 | 1256.8 |
| 20°   | 1265.8 | 1257.6 | 1252.7 | 1250.2 | 1248.6 |
| 22.5° | 1267.4 | 1257.6 | 1251.0 | 1247.7 | 1246.1 |
| 25°   | 1274.0 | 1261.7 | 1253.5 | 1249.4 | 1246.9 |
| 27.5° | 1285.5 | 1269.1 | 1260.1 | 1254.3 | 1251.0 |
| 30°   | 1299.5 | 1276.5 | 1263.3 | 1255.1 | 1251.8 |
| 32.5° | 1308.5 | 1277.3 | 1260.9 | 1248.6 | 1245.3 |
| 35°   | 1306.8 | 1268.3 | 1246.9 | 1231.3 | 1228.9 |
| 37.5° | 1290.4 | 1244.5 | 1218.2 | 1197.7 | 1195.2 |
| 40°   | 1255.1 | 1208.3 | 1178.0 | 1157.4 | 1152.5 |
| 42.5° | 1205.9 | 1157.4 | 1124.6 | 1105.7 | 1099.2 |
| 45°   | 1133.6 | 1074.5 | 1044.2 | 1028.6 | 1019.5 |
| 47.5° | 1031.9 | 976.0  | 942.4  | 929.2  | 917.7  |
| 50°   | 916.1  | 854.5  | 829.9  | 815.1  | 802.0  |
| 52.5° | 779.8  | 727.3  | 708.4  | 694.5  | 683.8  |
| 55°   | 647.7  | 610.7  | 588.6  | 573.8  | 574.6  |
| 57.5° | 520.4  | 498.3  | 486.0  | 470.4  | 472.0  |
| 60°   | 409.6  | 390.7  | 390.7  | 380.9  | 377.6  |
| 62.5° | 312.8  | 305.4  | 302.9  | 299.6  | 293.9  |
| 65°   | 237.2  | 237.2  | 238.1  | 238.1  | 234.8  |
| 66°   | 213.4  | 215.9  | 219.2  | 219.2  | 215.1  |
| 67.5° | 184.7  | 188.0  | 191.3  | 192.9  | 192.9  |
| 70°   | 152.7  | 156.8  | 158.4  | 160.1  | 159.3  |
| 72.5° | 133.8  | 137.1  | 137.1  | 137.9  | 136.3  |
| 75°   | 121.5  | 123.1  | 124.0  | 122.3  | 121.5  |
| 77.5° | 112.5  | 113.3  | 112.5  | 111.6  | 110.8  |
| 80°   | 101.8  | 101.0  | 98.5   | 95.2   | 94.4   |
| 82.5° | 87.8   | 84.6   | 82.9   | 78.0   | 77.2   |
| 85°   | 70.6   | 66.5   | 63.2   | 56.6   | 53.4   |
| 87.5° | 46.8   | 45.1   | 42.7   | 31.2   | 25.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)