

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: P164038

Luminaire Tested: **RDG-E02-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P164038  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: RDG-E02-LED-E-U-SL4-HSS-7050  
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4050.5 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 52.1  
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: 28.75 FT



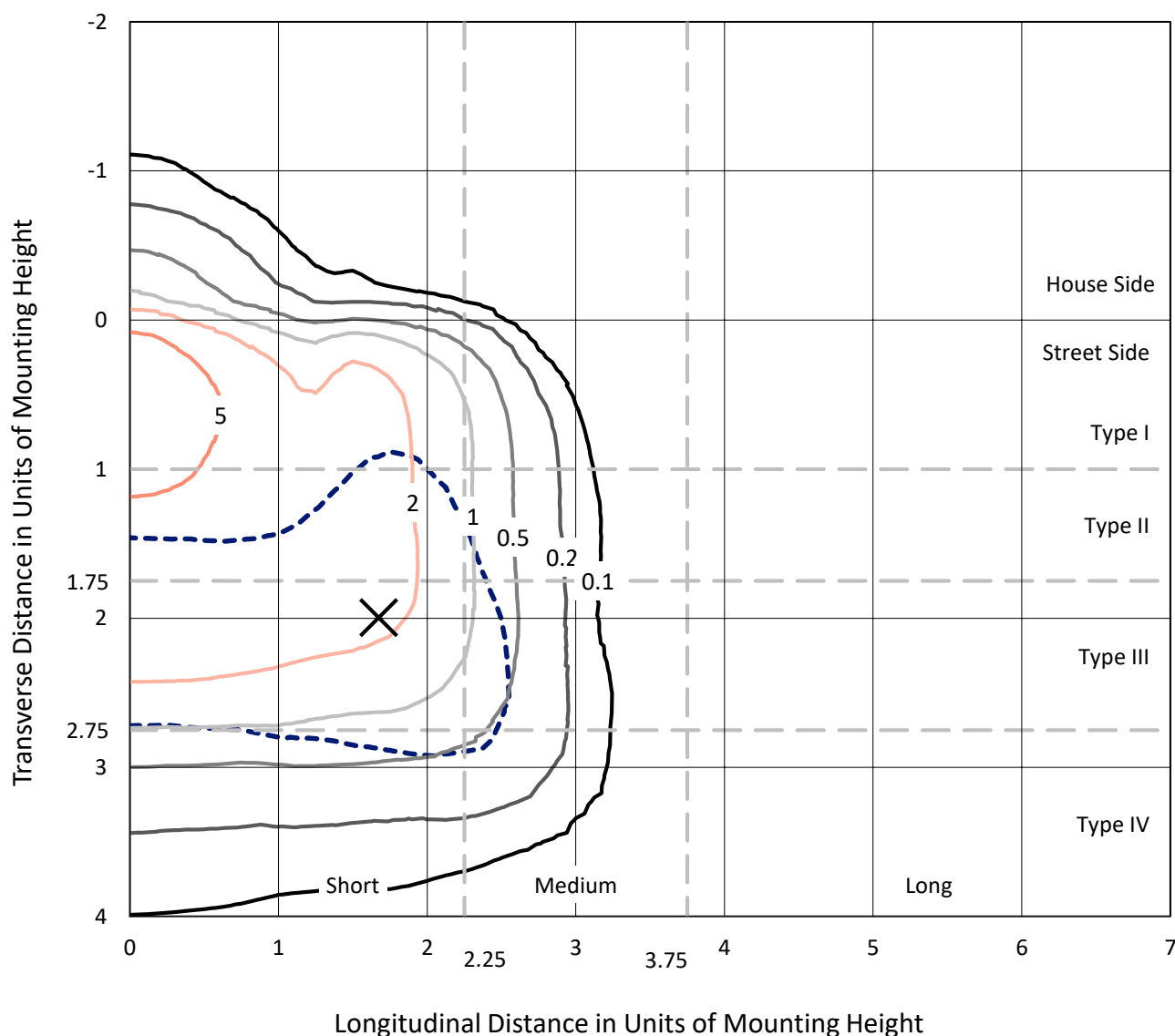
REPORT NUMBER: P164038

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

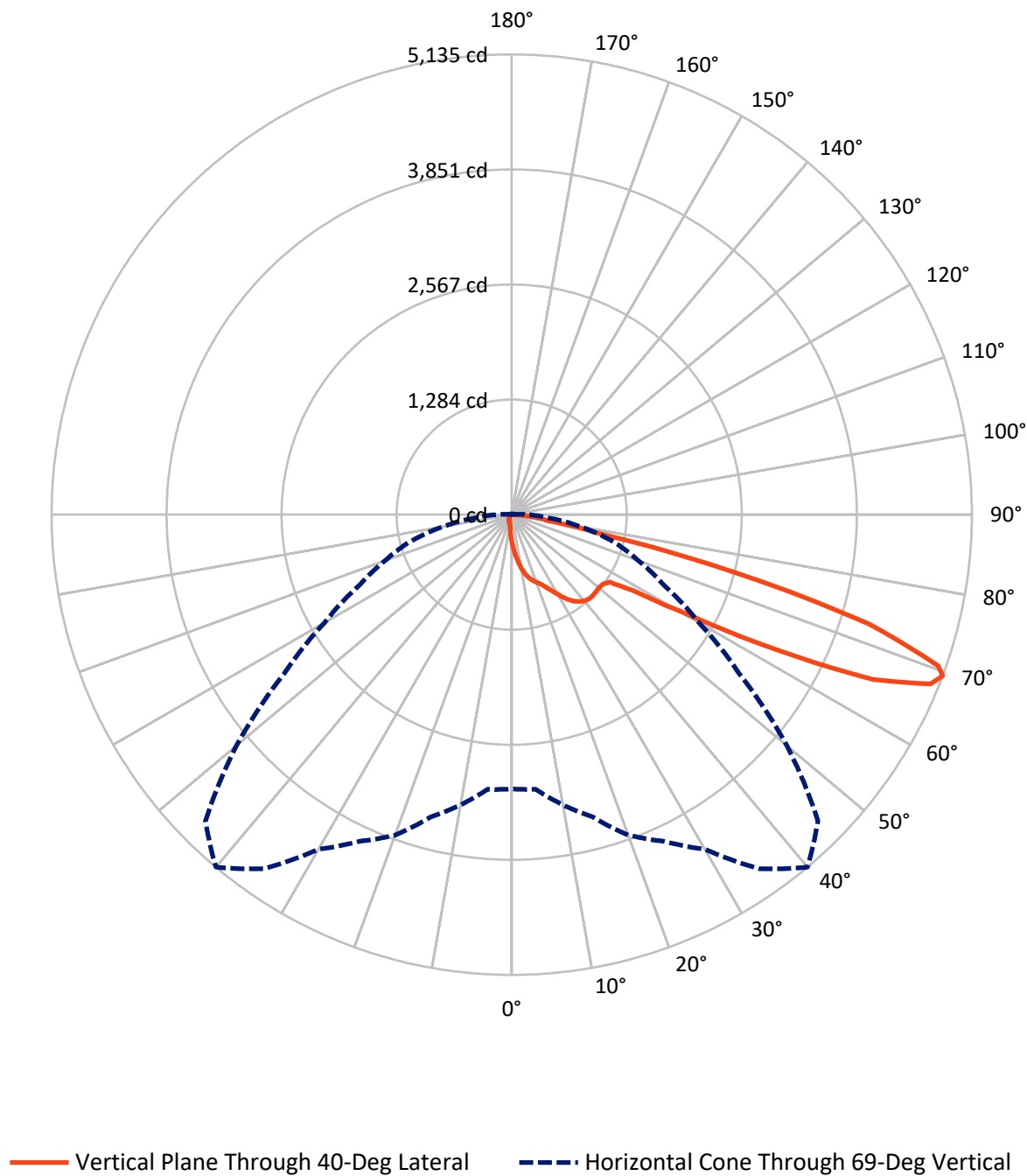


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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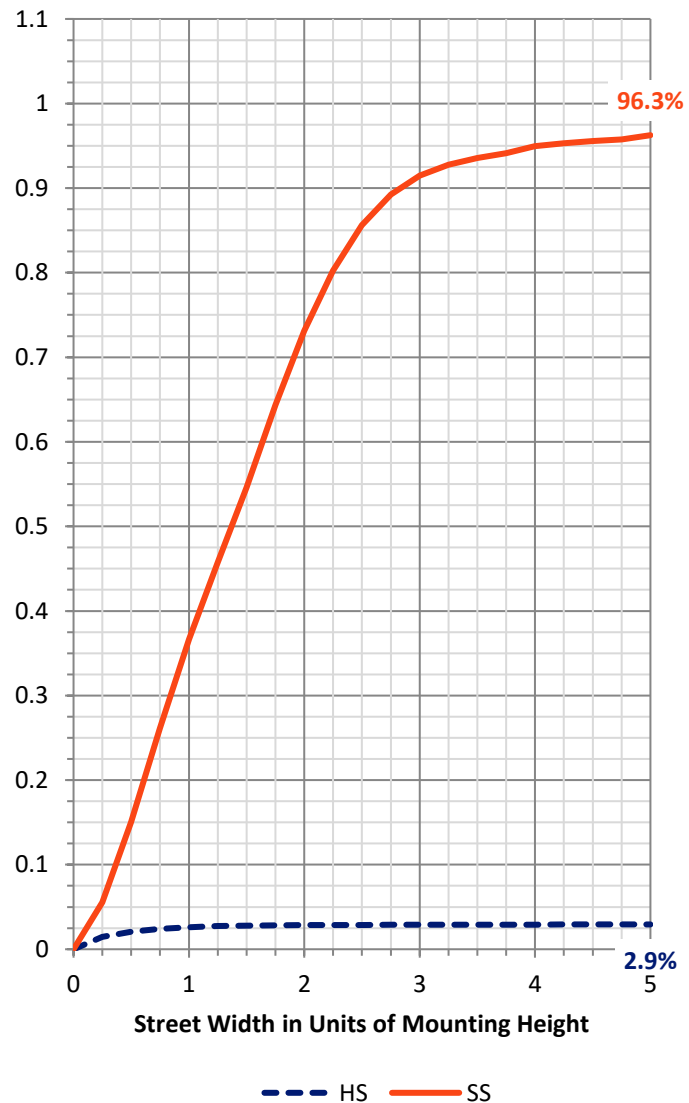
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 120.6    | 0.0    | 120.6  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 3929.9   | 0.0    | 3929.9 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 4050.5   | 0.0    | 4050.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.4   | 0.8       |
| 10°-20°   | 108.4  | 2.7       |
| 20°-30°   | 207.5  | 5.1       |
| 30°-40°   | 345.0  | 8.5       |
| 40°-50°   | 466.9  | 11.5      |
| 50°-60°   | 730.2  | 18.0      |
| 60°-70°   | 1501.2 | 37.1      |
| 70°-80°   | 604.1  | 14.9      |
| 80°-90°   | 55.9   | 1.4       |
| 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°    | 4050.5 | 100.0     |
| 0°-180°   | 4050.5 | 100.0     |

**Coefficient of Utilization**



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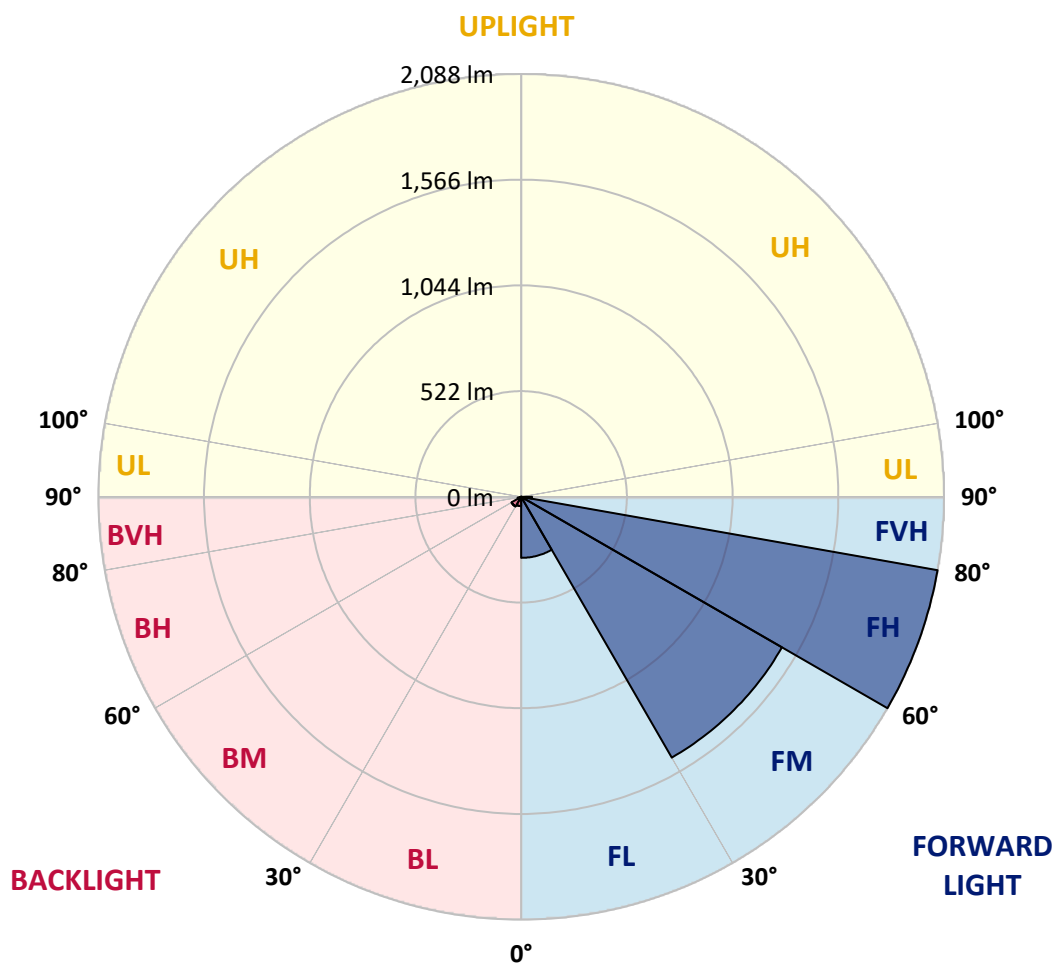
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 301.4  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 1487.0 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 2087.7 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 53.8   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 45.9   | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 55.1   | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 17.6   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 2.1    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  |
| 2.5°  | 408.1  | 403.4  | 398.1  | 398.1  | 391.5  | 391.5  | 387.5  | 376.9  | 375.6  | 369.6  | 363.6  |
| 5°    | 520.9  | 516.9  | 510.3  | 504.3  | 499.0  | 489.7  | 483.0  | 470.4  | 456.5  | 443.2  | 431.3  |
| 7.5°  | 631.0  | 629.0  | 617.1  | 615.1  | 606.5  | 591.2  | 577.9  | 559.4  | 535.5  | 516.9  | 495.0  |
| 10°   | 733.2  | 728.6  | 725.9  | 714.6  | 702.0  | 685.4  | 664.9  | 642.3  | 614.4  | 585.2  | 554.1  |
| 12.5° | 814.2  | 811.5  | 799.6  | 794.9  | 781.6  | 765.1  | 739.2  | 710.0  | 682.1  | 644.3  | 607.8  |
| 15°   | 874.5  | 869.9  | 861.9  | 854.6  | 838.7  | 824.1  | 800.2  | 768.4  | 734.5  | 693.4  | 649.6  |
| 17.5° | 925.0  | 916.4  | 914.3  | 903.1  | 886.5  | 869.2  | 842.7  | 813.5  | 773.7  | 732.6  | 684.8  |
| 20°   | 992.7  | 980.7  | 976.7  | 960.1  | 940.9  | 917.0  | 886.5  | 850.0  | 808.2  | 763.1  | 714.0  |
| 22.5° | 1072.3 | 1063.7 | 1055.0 | 1040.4 | 1015.9 | 982.0  | 937.6  | 897.8  | 844.7  | 794.9  | 741.8  |
| 25°   | 1185.1 | 1177.8 | 1163.8 | 1143.9 | 1113.4 | 1072.9 | 1019.2 | 960.8  | 898.4  | 834.7  | 772.4  |
| 27.5° | 1294.6 | 1287.9 | 1278.0 | 1262.7 | 1228.2 | 1183.8 | 1117.4 | 1043.1 | 964.1  | 887.2  | 818.1  |
| 30°   | 1397.4 | 1391.4 | 1381.5 | 1366.2 | 1335.7 | 1291.9 | 1216.9 | 1137.3 | 1039.1 | 949.5  | 866.6  |
| 32.5° | 1508.2 | 1506.2 | 1495.0 | 1473.1 | 1446.5 | 1387.5 | 1305.9 | 1220.2 | 1120.7 | 1017.2 | 920.3  |
| 35°   | 1633.6 | 1618.4 | 1607.7 | 1585.9 | 1540.8 | 1477.7 | 1382.2 | 1288.6 | 1183.8 | 1077.6 | 969.4  |
| 37.5° | 1739.8 | 1725.2 | 1712.0 | 1684.1 | 1629.0 | 1548.7 | 1440.5 | 1337.7 | 1229.6 | 1121.4 | 1011.2 |
| 40°   | 1817.4 | 1810.1 | 1794.2 | 1757.7 | 1696.0 | 1600.5 | 1483.7 | 1371.5 | 1262.7 | 1153.9 | 1045.1 |
| 42.5° | 1875.2 | 1863.9 | 1846.0 | 1808.2 | 1735.1 | 1626.3 | 1500.9 | 1385.5 | 1278.0 | 1173.8 | 1067.0 |
| 45°   | 1896.4 | 1887.1 | 1870.5 | 1829.4 | 1750.4 | 1633.6 | 1500.2 | 1381.5 | 1278.7 | 1179.8 | 1081.6 |
| 47.5° | 1883.8 | 1874.5 | 1859.9 | 1821.4 | 1743.8 | 1625.0 | 1488.3 | 1370.2 | 1272.0 | 1181.8 | 1094.9 |
| 50°   | 1842.0 | 1836.7 | 1825.4 | 1792.9 | 1723.2 | 1608.4 | 1477.7 | 1364.2 | 1270.7 | 1191.7 | 1113.4 |
| 52.5° | 1838.0 | 1834.7 | 1820.8 | 1788.3 | 1717.2 | 1603.1 | 1476.4 | 1367.6 | 1282.0 | 1204.3 | 1126.7 |
| 55°   | 2246.1 | 2199.0 | 2093.5 | 2003.9 | 1856.6 | 1681.4 | 1543.4 | 1421.3 | 1329.8 | 1254.1 | 1199.7 |
| 57.5° | 3192.3 | 3121.9 | 2983.3 | 2812.8 | 2474.4 | 2141.9 | 1875.8 | 1683.4 | 1588.5 | 1554.0 | 1574.6 |
| 60°   | 3635.5 | 3622.9 | 3601.1 | 3520.1 | 3346.9 | 3060.9 | 2742.4 | 2398.0 | 2260.0 | 2248.1 | 2289.9 |
| 62.5° | 3845.9 | 3837.9 | 3844.6 | 3834.6 | 3780.9 | 3697.3 | 3605.7 | 3457.0 | 3320.4 | 3232.1 | 3045.0 |
| 65°   | 3942.7 | 3948.1 | 3985.9 | 4015.8 | 4022.4 | 4044.3 | 4111.3 | 4296.4 | 4431.8 | 4204.2 | 3684.7 |
| 67.5° | 3696.6 | 3727.8 | 3814.7 | 3923.5 | 4050.9 | 4174.3 | 4373.4 | 4763.6 | 5041.6 | 4774.2 | 4036.3 |
| 69°   | 3060.3 | 3075.5 | 3287.8 | 3492.9 | 3804.1 | 4021.7 | 4310.4 | 4822.0 | 5134.5 | 4832.6 | 4008.5 |
| 70°   | 2409.3 | 2423.3 | 2650.8 | 2929.5 | 3455.7 | 3735.7 | 4113.3 | 4723.1 | 5047.6 | 4754.9 | 3865.1 |
| 72.5° | 1086.9 | 1067.0 | 1147.3 | 1296.5 | 1868.5 | 2313.1 | 2973.3 | 3826.6 | 4164.4 | 3809.4 | 2891.7 |
| 75°   | 759.1  | 750.5  | 759.1  | 759.8  | 848.7  | 1094.9 | 1381.5 | 2074.2 | 2565.3 | 2213.6 | 1381.5 |
| 77.5° | 587.9  | 581.9  | 576.0  | 569.3  | 580.0  | 649.6  | 677.5  | 735.9  | 955.5  | 903.8  | 526.8  |
| 80°   | 465.2  | 459.8  | 474.4  | 469.8  | 469.8  | 477.8  | 472.5  | 450.5  | 409.4  | 379.5  | 339.7  |
| 82.5° | 216.3  | 217.7  | 217.7  | 236.2  | 284.6  | 332.4  | 347.7  | 325.8  | 289.3  | 246.2  | 198.4  |
| 85°   | 20.6   | 23.2   | 39.2   | 60.4   | 120.1  | 135.4  | 136.0  | 112.8  | 112.8  | 88.9   | 71.7   |
| 87.5° | 0.0    | 0.7    | 0.7    | 0.7    | 6.0    | 16.6   | 13.9   | 4.0    | 2.0    | 2.0    | 3.3    |
| 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°    | 70°    | 75°    | 80°    | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9  | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 |
| 2.5°  | 353.0  | 351.0  | 343.0  | 335.1  | 327.8  | 319.8  | 312.5 | 305.2 | 297.3 | 291.3 | 284.0 |
| 5°    | 412.7  | 398.1  | 381.5  | 365.6  | 349.7  | 333.1  | 315.8 | 300.6 | 284.6 | 270.1 | 256.1 |
| 7.5°  | 473.1  | 444.6  | 422.0  | 393.5  | 367.6  | 341.7  | 317.8 | 293.3 | 270.7 | 249.5 | 229.6 |
| 10°   | 524.2  | 489.7  | 454.5  | 418.0  | 380.9  | 346.4  | 313.2 | 284.0 | 254.1 | 228.2 | 203.7 |
| 12.5° | 566.0  | 522.2  | 479.1  | 433.3  | 391.5  | 347.7  | 306.6 | 271.4 | 236.2 | 207.0 | 181.8 |
| 15°   | 603.8  | 553.4  | 501.6  | 448.6  | 395.5  | 345.7  | 299.9 | 256.1 | 220.3 | 187.1 | 158.6 |
| 17.5° | 634.3  | 576.6  | 518.2  | 458.5  | 401.5  | 343.0  | 291.3 | 245.5 | 203.7 | 169.2 | 141.3 |
| 20°   | 660.9  | 600.5  | 537.5  | 470.4  | 405.4  | 342.4  | 284.0 | 232.2 | 189.1 | 152.6 | 125.4 |
| 22.5° | 685.4  | 625.1  | 557.4  | 485.7  | 411.4  | 341.7  | 277.4 | 222.3 | 176.5 | 140.0 | 112.8 |
| 25°   | 713.3  | 649.6  | 578.6  | 501.6  | 422.0  | 344.4  | 273.4 | 214.3 | 165.2 | 128.1 | 102.9 |
| 27.5° | 744.5  | 677.5  | 603.8  | 521.5  | 435.9  | 349.7  | 272.0 | 205.7 | 155.3 | 116.8 | 94.9  |
| 30°   | 788.3  | 710.6  | 629.0  | 541.5  | 448.6  | 355.6  | 270.7 | 200.4 | 145.3 | 108.2 | 86.9  |
| 32.5° | 826.8  | 743.1  | 656.9  | 562.0  | 462.5  | 361.6  | 270.1 | 193.1 | 136.0 | 99.5  | 80.9  |
| 35°   | 867.3  | 773.0  | 680.8  | 581.9  | 474.4  | 368.2  | 269.4 | 187.8 | 127.4 | 90.9  | 75.0  |
| 37.5° | 902.4  | 798.2  | 699.4  | 599.2  | 487.7  | 374.2  | 270.1 | 183.1 | 119.4 | 83.6  | 69.7  |
| 40°   | 932.3  | 824.1  | 720.0  | 615.1  | 501.6  | 383.5  | 270.7 | 178.5 | 111.5 | 77.0  | 65.0  |
| 42.5° | 958.8  | 848.7  | 741.8  | 633.0  | 517.6  | 394.1  | 274.7 | 174.5 | 104.8 | 71.0  | 60.4  |
| 45°   | 979.4  | 871.2  | 765.7  | 658.2  | 543.4  | 411.4  | 282.0 | 171.9 | 98.2  | 65.7  | 56.4  |
| 47.5° | 1000.6 | 904.4  | 806.2  | 698.0  | 581.3  | 438.6  | 294.6 | 171.2 | 92.9  | 61.7  | 53.1  |
| 50°   | 1029.8 | 937.6  | 842.0  | 738.5  | 615.8  | 466.5  | 309.9 | 171.9 | 86.3  | 57.7  | 49.7  |
| 52.5° | 1051.1 | 971.4  | 888.5  | 808.9  | 698.0  | 551.4  | 368.9 | 183.8 | 83.0  | 54.4  | 45.8  |
| 55°   | 1176.5 | 1162.5 | 1164.5 | 1177.8 | 1092.2 | 938.2  | 617.1 | 265.4 | 97.5  | 61.7  | 45.1  |
| 57.5° | 1658.8 | 1708.0 | 1736.5 | 1735.8 | 1594.5 | 1322.4 | 828.8 | 341.1 | 108.8 | 71.7  | 53.7  |
| 60°   | 2293.2 | 2256.0 | 2203.6 | 2074.2 | 1886.4 | 1509.6 | 927.0 | 366.9 | 94.2  | 57.1  | 49.1  |
| 62.5° | 2853.9 | 2636.3 | 2443.2 | 2233.5 | 1987.3 | 1574.6 | 946.9 | 365.0 | 82.3  | 43.1  | 34.5  |
| 65°   | 3203.6 | 2812.1 | 2500.2 | 2237.4 | 1947.5 | 1520.2 | 895.8 | 335.1 | 69.7  | 35.2  | 28.5  |
| 67.5° | 3287.2 | 2717.2 | 2275.9 | 1940.9 | 1627.0 | 1183.1 | 657.6 | 252.1 | 54.4  | 29.2  | 25.2  |
| 69°   | 3104.7 | 2415.3 | 1885.8 | 1505.6 | 1183.8 | 785.0  | 406.7 | 159.3 | 41.8  | 26.6  | 23.2  |
| 70°   | 2855.9 | 2100.8 | 1536.1 | 1208.3 | 876.5  | 551.4  | 284.6 | 112.1 | 33.8  | 24.5  | 21.2  |
| 72.5° | 1837.3 | 1103.5 | 755.1  | 525.5  | 361.6  | 219.6  | 111.5 | 50.4  | 25.9  | 20.6  | 17.2  |
| 75°   | 712.7  | 408.1  | 295.9  | 224.9  | 175.8  | 122.1  | 67.7  | 32.5  | 21.9  | 17.2  | 13.3  |
| 77.5° | 351.0  | 268.7  | 219.6  | 150.6  | 87.6   | 54.4   | 36.5  | 25.2  | 17.9  | 12.6  | 8.6   |
| 80°   | 277.4  | 184.5  | 110.2  | 68.3   | 51.8   | 39.2   | 27.9  | 20.6  | 13.3  | 8.0   | 6.0   |
| 82.5° | 142.0  | 77.6   | 57.1   | 46.5   | 38.5   | 30.5   | 22.6  | 14.6  | 8.6   | 5.3   | 4.6   |
| 85°   | 44.5   | 32.5   | 29.2   | 28.5   | 26.6   | 21.9   | 15.9  | 9.3   | 5.3   | 3.3   | 3.3   |
| 87.5° | 3.3    | 4.6    | 6.0    | 4.6    | 5.3    | 4.6    | 6.0   | 4.0   | 2.7   | 2.7   | 2.0   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 |
| 2.5°  | 278.7 | 270.7 | 263.4 | 258.8 | 250.2 | 246.8 | 243.5 | 242.2 | 236.2 | 237.6 | 232.2 |
| 5°    | 243.5 | 229.6 | 219.0 | 208.3 | 198.4 | 191.1 | 185.1 | 177.8 | 171.9 | 169.2 | 163.9 |
| 7.5°  | 211.7 | 193.8 | 179.8 | 168.5 | 156.6 | 147.3 | 139.3 | 134.1 | 128.7 | 123.4 | 120.8 |
| 10°   | 183.8 | 164.5 | 148.6 | 137.3 | 126.1 | 118.1 | 112.1 | 108.2 | 104.8 | 102.9 | 102.2 |
| 12.5° | 157.9 | 139.3 | 124.7 | 114.8 | 106.2 | 102.2 | 99.5  | 97.5  | 96.9  | 96.2  | 96.2  |
| 15°   | 138.0 | 119.4 | 108.2 | 100.8 | 96.9  | 94.9  | 94.2  | 92.9  | 91.6  | 90.9  | 90.9  |
| 17.5° | 119.4 | 105.5 | 97.5  | 93.5  | 91.6  | 90.3  | 88.9  | 87.6  | 86.3  | 85.6  | 85.6  |
| 20°   | 106.8 | 95.6  | 91.6  | 88.9  | 86.9  | 85.6  | 83.6  | 82.3  | 81.6  | 80.9  | 80.3  |
| 22.5° | 96.9  | 89.6  | 86.9  | 84.9  | 82.3  | 80.3  | 79.0  | 77.6  | 76.3  | 75.6  | 75.0  |
| 25°   | 89.6  | 84.9  | 83.0  | 80.3  | 77.6  | 75.6  | 73.6  | 71.7  | 70.3  | 69.7  | 68.3  |
| 27.5° | 84.3  | 80.9  | 78.3  | 75.0  | 72.3  | 70.3  | 68.3  | 66.4  | 65.0  | 63.7  | 63.0  |
| 30°   | 79.6  | 76.3  | 73.0  | 70.3  | 67.0  | 65.0  | 62.4  | 60.4  | 59.7  | 58.4  | 57.1  |
| 32.5° | 75.0  | 71.7  | 68.3  | 65.0  | 61.7  | 59.1  | 57.7  | 55.1  | 53.7  | 53.1  | 51.8  |
| 35°   | 69.7  | 66.4  | 62.4  | 59.7  | 56.4  | 53.7  | 51.8  | 49.7  | 48.4  | 47.1  | 46.5  |
| 37.5° | 65.0  | 61.0  | 57.1  | 53.7  | 51.1  | 48.4  | 46.5  | 44.5  | 43.1  | 41.8  | 41.1  |
| 40°   | 59.7  | 55.7  | 51.8  | 48.4  | 45.8  | 43.8  | 41.8  | 39.8  | 38.5  | 37.8  | 37.8  |
| 42.5° | 55.1  | 50.4  | 46.5  | 43.8  | 41.8  | 39.2  | 37.1  | 35.2  | 34.5  | 33.8  | 34.5  |
| 45°   | 50.4  | 45.8  | 42.5  | 39.8  | 37.8  | 35.2  | 33.2  | 31.9  | 31.2  | 31.9  | 32.5  |
| 47.5° | 46.5  | 41.8  | 38.5  | 36.5  | 34.5  | 32.5  | 30.5  | 29.2  | 29.2  | 30.5  | 31.9  |
| 50°   | 42.5  | 37.8  | 35.2  | 33.8  | 31.9  | 29.8  | 27.2  | 26.6  | 27.2  | 28.5  | 29.8  |
| 52.5° | 38.5  | 33.2  | 31.2  | 30.5  | 28.5  | 26.6  | 24.5  | 23.9  | 24.5  | 25.9  | 25.2  |
| 55°   | 34.5  | 29.2  | 28.5  | 27.9  | 25.9  | 23.2  | 21.2  | 21.2  | 21.2  | 20.6  | 19.2  |
| 57.5° | 33.2  | 25.9  | 25.2  | 24.5  | 22.6  | 19.9  | 18.6  | 17.2  | 16.6  | 14.6  | 13.9  |
| 60°   | 34.5  | 23.2  | 23.2  | 21.9  | 19.9  | 17.2  | 15.3  | 13.3  | 11.9  | 10.6  | 10.6  |
| 62.5° | 27.9  | 21.2  | 20.6  | 19.2  | 16.6  | 13.9  | 11.9  | 9.9   | 9.3   | 8.6   | 8.6   |
| 65°   | 22.6  | 19.2  | 17.9  | 15.9  | 13.9  | 11.3  | 9.3   | 8.0   | 7.3   | 7.3   | 8.0   |
| 67.5° | 20.6  | 17.2  | 15.3  | 13.3  | 11.3  | 8.6   | 7.3   | 6.6   | 6.6   | 7.3   | 7.3   |
| 69°   | 19.2  | 15.9  | 13.9  | 11.9  | 9.9   | 8.0   | 6.6   | 6.6   | 6.6   | 6.6   | 7.3   |
| 70°   | 17.9  | 15.3  | 13.3  | 11.3  | 8.6   | 6.6   | 6.0   | 6.0   | 6.6   | 6.6   | 7.3   |
| 72.5° | 13.9  | 11.9  | 11.3  | 9.3   | 6.6   | 6.0   | 5.3   | 6.0   | 6.0   | 6.6   | 6.6   |
| 75°   | 10.6  | 8.6   | 8.6   | 7.3   | 5.3   | 4.6   | 4.6   | 5.3   | 5.3   | 6.0   | 6.0   |
| 77.5° | 7.3   | 6.0   | 6.0   | 5.3   | 4.6   | 4.0   | 4.0   | 4.6   | 5.3   | 5.3   | 6.0   |
| 80°   | 5.3   | 4.6   | 4.0   | 4.6   | 4.0   | 3.3   | 4.0   | 4.6   | 4.6   | 5.3   | 5.3   |
| 82.5° | 4.0   | 4.0   | 4.0   | 4.0   | 3.3   | 3.3   | 4.0   | 4.0   | 4.6   | 5.3   | 5.3   |
| 85°   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 4.0   | 4.0   | 4.6   | 4.6   |
| 87.5° | 2.0   | 2.0   | 2.0   | 2.7   | 2.7   | 3.3   | 3.3   | 3.3   | 3.3   | 4.0   | 4.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P164038

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 305.9 | 305.9 | 305.9 | 305.9 |
| 2.5°  | 230.9 | 230.3 | 227.6 | 228.2 |
| 5°    | 161.9 | 157.9 | 160.6 | 159.9 |
| 7.5°  | 118.8 | 118.1 | 117.4 | 118.8 |
| 10°   | 101.5 | 101.5 | 100.8 | 101.5 |
| 12.5° | 95.6  | 95.6  | 95.6  | 95.6  |
| 15°   | 90.9  | 90.9  | 90.3  | 90.3  |
| 17.5° | 85.6  | 85.6  | 85.6  | 84.9  |
| 20°   | 80.3  | 79.6  | 79.6  | 79.6  |
| 22.5° | 74.3  | 73.6  | 73.6  | 73.6  |
| 25°   | 68.3  | 67.7  | 67.7  | 67.7  |
| 27.5° | 62.4  | 61.7  | 61.0  | 61.0  |
| 30°   | 56.4  | 55.7  | 55.1  | 55.1  |
| 32.5° | 50.4  | 49.7  | 49.1  | 49.1  |
| 35°   | 45.1  | 45.1  | 44.5  | 43.8  |
| 37.5° | 40.5  | 40.5  | 40.5  | 40.5  |
| 40°   | 37.1  | 37.8  | 37.8  | 37.8  |
| 42.5° | 35.2  | 35.8  | 36.5  | 37.1  |
| 45°   | 33.8  | 35.2  | 35.8  | 35.8  |
| 47.5° | 33.2  | 33.8  | 34.5  | 34.5  |
| 50°   | 30.5  | 29.8  | 29.8  | 29.8  |
| 52.5° | 24.5  | 23.2  | 22.6  | 21.9  |
| 55°   | 17.9  | 17.2  | 15.9  | 15.9  |
| 57.5° | 12.6  | 12.6  | 11.9  | 11.9  |
| 60°   | 9.9   | 9.9   | 9.3   | 9.9   |
| 62.5° | 8.6   | 8.6   | 8.6   | 8.6   |
| 65°   | 8.0   | 8.0   | 8.0   | 8.0   |
| 67.5° | 8.0   | 8.0   | 8.0   | 8.0   |
| 69°   | 7.3   | 7.3   | 7.3   | 7.3   |
| 70°   | 7.3   | 7.3   | 7.3   | 7.3   |
| 72.5° | 6.6   | 6.6   | 6.6   | 6.6   |
| 75°   | 6.0   | 6.6   | 6.6   | 6.6   |
| 77.5° | 6.0   | 6.0   | 6.0   | 6.0   |
| 80°   | 5.3   | 5.3   | 6.0   | 6.0   |
| 82.5° | 5.3   | 5.3   | 5.3   | 5.3   |
| 85°   | 4.6   | 4.6   | 5.3   | 5.3   |
| 87.5° | 4.0   | 4.0   | 4.6   | 4.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)