

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: P163306

Luminaire Tested: **LDRC-SL2-E03-E-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P163306  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRC-SL2-E03-E-7030-HSS  
Description: RC LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

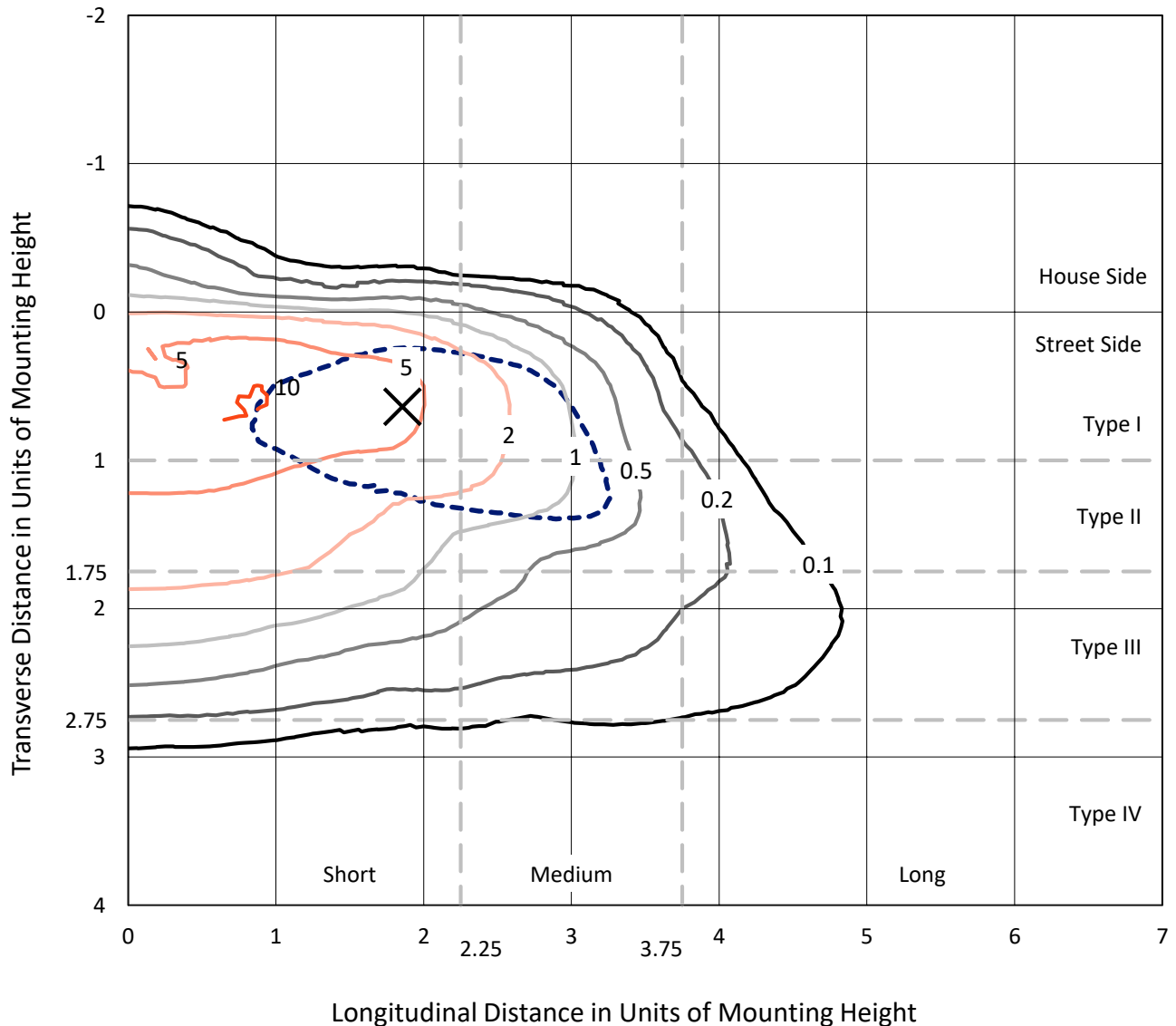
Lumens per Lamp: N/A  
Luminaire Lumens: 4873.3 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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

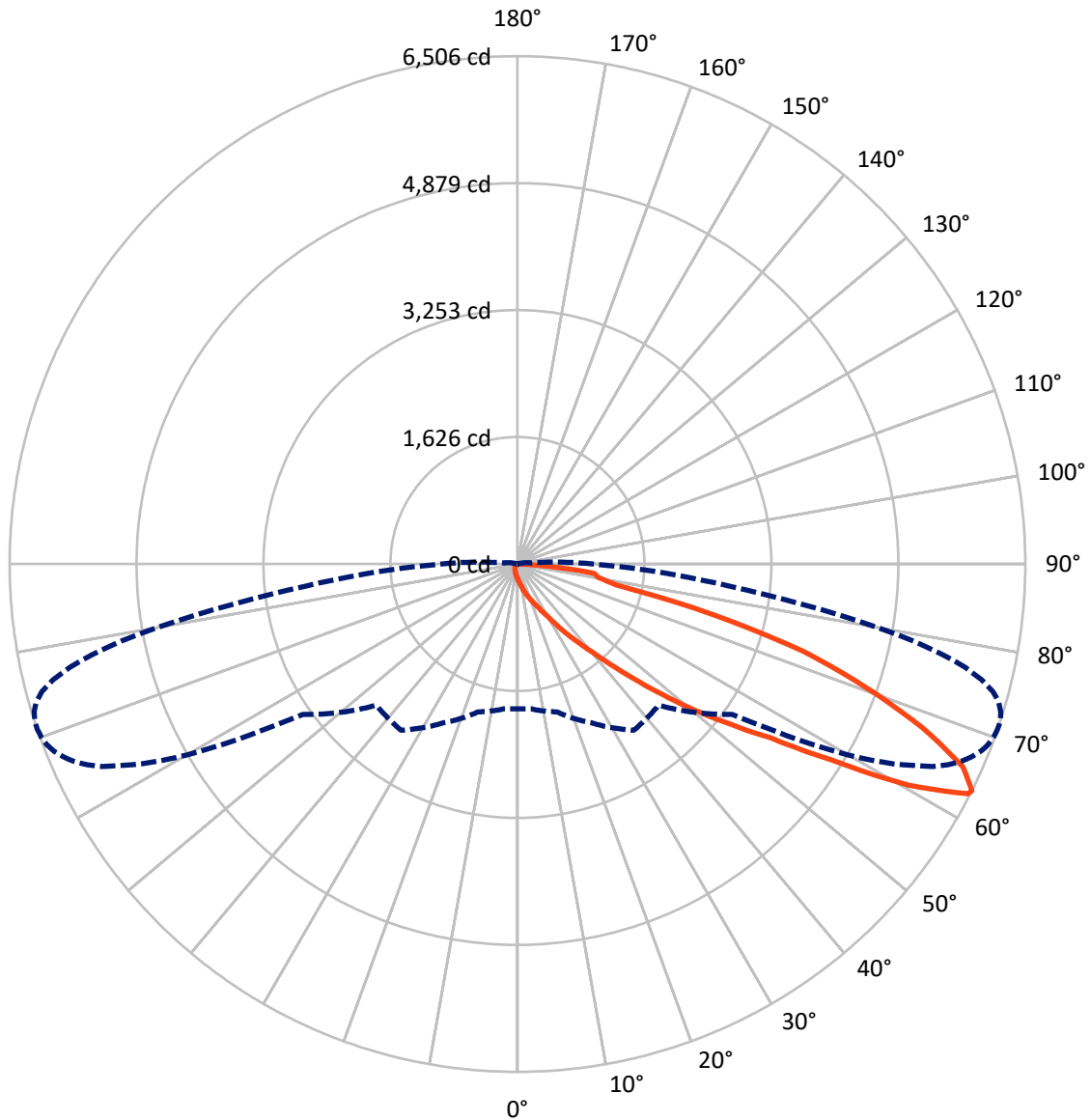
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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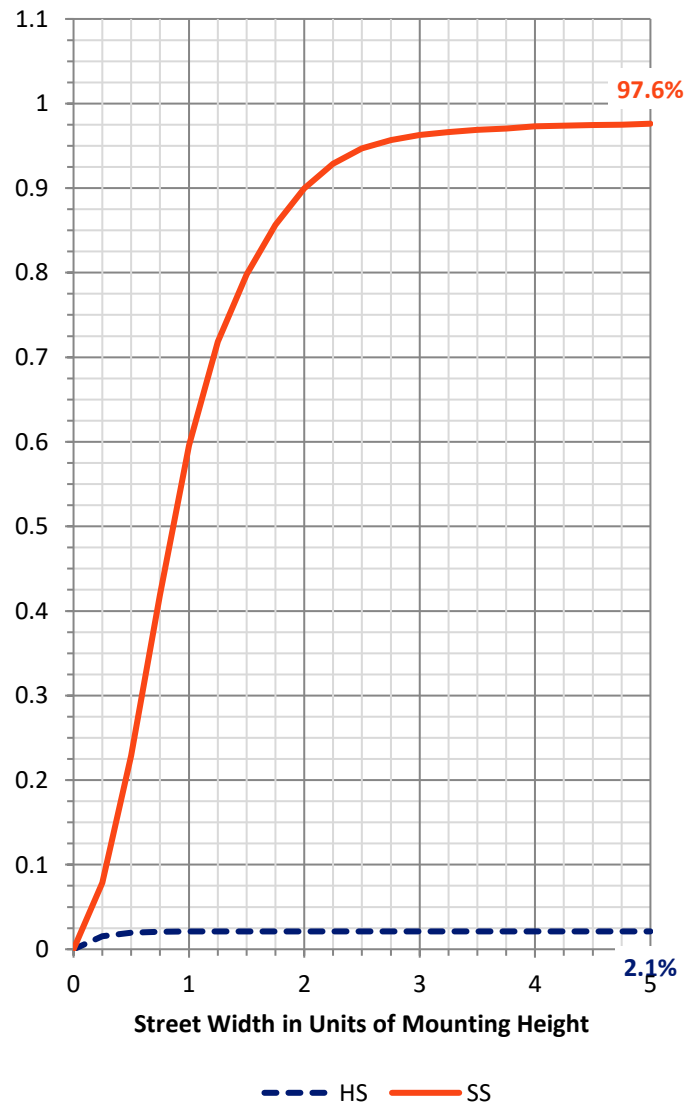
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 103.5    | 0.0    | 103.5  |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 4769.8   | 0.0    | 4769.8 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 4873.3   | 0.0    | 4873.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.7   | 0.4       |
| 10°-20°   | 80.1   | 1.6       |
| 20°-30°   | 162.8  | 3.3       |
| 30°-40°   | 397.6  | 8.2       |
| 40°-50°   | 889.3  | 18.2      |
| 50°-60°   | 1250.4 | 25.7      |
| 60°-70°   | 1470.4 | 30.2      |
| 70°-80°   | 531.0  | 10.9      |
| 80°-90°   | 71.0   | 1.5       |
| 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°    | 4873.3 | 100.0     |
| 0°-180°   | 4873.3 | 100.0     |



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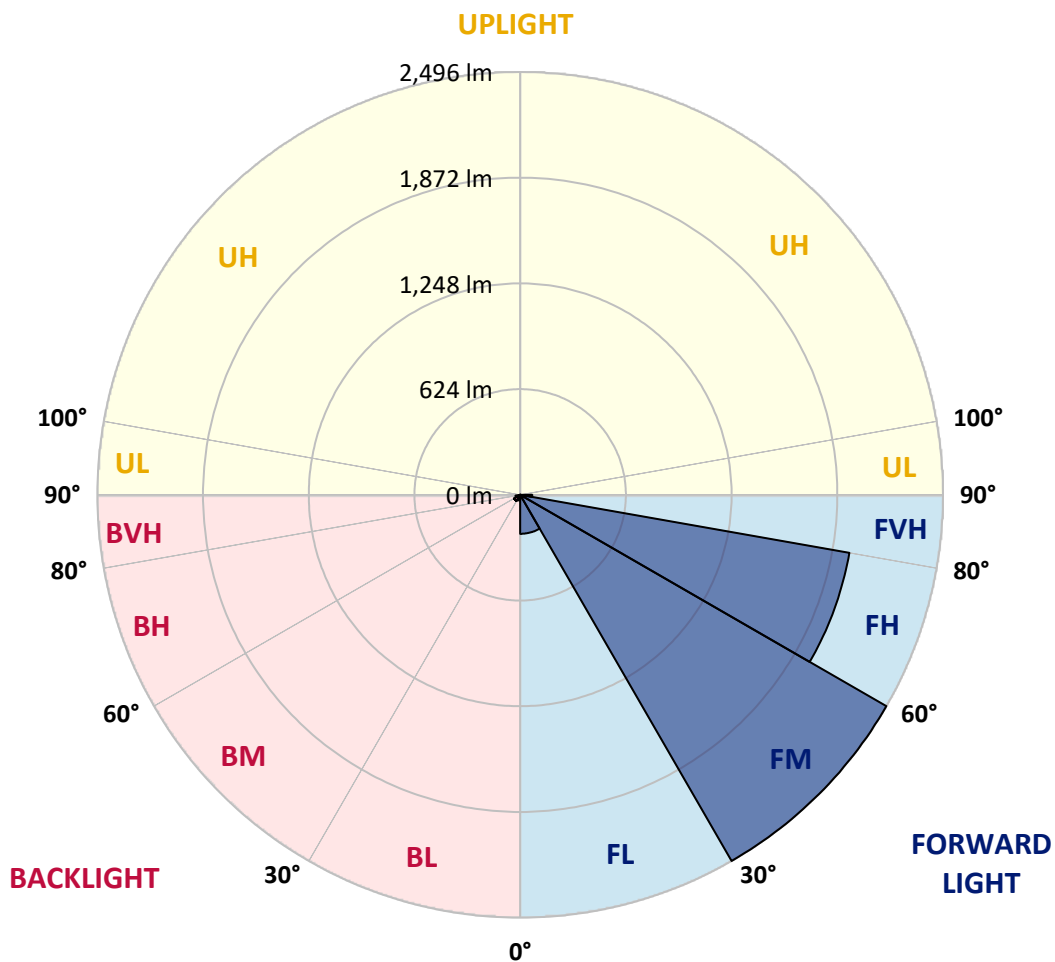
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 230.3  | 4.7       |                         |      |         |
| FM (30°-60°)   | 2495.7 | 51.2      |                         |      |         |
| FH (60°-80°)   | 1973.0 | 40.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 70.8   | 1.5       |                         |      | G1/100  |
| BL (0°-30°)    | 33.3   | 0.7       | B0/110                  |      |         |
| BM (30°-60°)   | 41.7   | 0.9       | B0/220                  |      |         |
| BH (60°-80°)   | 28.4   | 0.6       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 0.2    | 0.0       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  |
| 2.5°  | 244.5  | 247.2  | 245.4  | 241.0  | 235.6  | 228.6  | 222.4  | 222.4  | 221.5  | 218.8  | 219.7  |
| 5°    | 320.7  | 321.6  | 318.1  | 307.4  | 297.7  | 282.6  | 265.8  | 264.0  | 262.2  | 259.6  | 258.7  |
| 7.5°  | 395.1  | 398.7  | 395.1  | 383.6  | 364.1  | 341.1  | 314.5  | 311.9  | 306.6  | 306.6  | 303.0  |
| 10°   | 471.3  | 471.3  | 467.8  | 454.5  | 436.8  | 404.0  | 370.3  | 365.9  | 359.7  | 357.9  | 352.6  |
| 12.5° | 525.4  | 525.4  | 523.6  | 516.5  | 502.3  | 473.1  | 432.3  | 427.9  | 419.9  | 417.3  | 411.1  |
| 15°   | 546.6  | 546.6  | 547.5  | 553.7  | 554.6  | 541.3  | 498.8  | 495.2  | 487.3  | 480.2  | 477.5  |
| 17.5° | 559.9  | 559.0  | 559.0  | 567.9  | 583.9  | 592.7  | 565.2  | 561.7  | 552.8  | 549.3  | 540.4  |
| 20°   | 589.2  | 587.4  | 582.0  | 582.0  | 597.1  | 628.1  | 628.1  | 627.3  | 617.5  | 614.9  | 610.4  |
| 22.5° | 632.6  | 630.8  | 614.9  | 601.6  | 608.6  | 647.6  | 684.0  | 682.2  | 678.7  | 675.1  | 672.4  |
| 25°   | 703.4  | 697.2  | 669.8  | 630.8  | 624.6  | 666.2  | 726.5  | 730.9  | 733.6  | 733.6  | 735.3  |
| 27.5° | 810.6  | 802.7  | 754.0  | 681.3  | 653.8  | 696.4  | 773.4  | 782.3  | 790.3  | 792.0  | 800.0  |
| 30°   | 959.5  | 945.3  | 875.3  | 769.0  | 706.1  | 740.6  | 842.5  | 852.3  | 863.8  | 867.3  | 879.7  |
| 32.5° | 1204.0 | 1196.0 | 1128.7 | 969.2  | 834.6  | 827.5  | 939.1  | 951.5  | 966.6  | 972.8  | 987.8  |
| 35°   | 1576.1 | 1577.9 | 1522.9 | 1379.4 | 1193.3 | 1095.9 | 1111.9 | 1122.5 | 1127.8 | 1146.4 | 1154.4 |
| 37.5° | 1828.6 | 1833.0 | 1845.4 | 1788.7 | 1655.8 | 1556.6 | 1431.7 | 1443.2 | 1415.7 | 1418.4 | 1419.3 |
| 40°   | 1966.8 | 1980.9 | 2053.6 | 2108.5 | 2097.9 | 2040.3 | 1940.2 | 1946.4 | 1895.0 | 1883.5 | 1827.7 |
| 42.5° | 2058.9 | 2077.5 | 2193.6 | 2363.7 | 2450.5 | 2502.8 | 2479.7 | 2477.1 | 2437.2 | 2422.2 | 2375.2 |
| 45°   | 2116.5 | 2133.3 | 2279.5 | 2530.3 | 2730.5 | 2882.9 | 2945.8 | 2952.8 | 2919.2 | 2904.1 | 2865.1 |
| 47.5° | 2113.8 | 2133.3 | 2290.1 | 2592.3 | 2887.3 | 3130.9 | 3308.1 | 3316.9 | 3337.3 | 3324.1 | 3326.7 |
| 50°   | 1996.9 | 2015.5 | 2173.2 | 2486.8 | 2841.2 | 3244.3 | 3568.6 | 3596.9 | 3629.7 | 3651.8 | 3662.5 |
| 52.5° | 1855.2 | 1868.4 | 2008.4 | 2306.1 | 2644.5 | 3197.4 | 3722.7 | 3771.5 | 3820.2 | 3861.8 | 3891.0 |
| 55°   | 1802.9 | 1818.0 | 1927.8 | 2175.0 | 2486.8 | 3000.7 | 3794.5 | 3866.3 | 3935.4 | 4003.5 | 4059.4 |
| 57.5° | 1830.4 | 1844.5 | 1923.4 | 2113.0 | 2392.9 | 2793.4 | 3814.9 | 3926.5 | 4039.9 | 4150.6 | 4260.5 |
| 60°   | 1931.4 | 1946.4 | 2013.7 | 2170.6 | 2368.1 | 2673.7 | 3735.1 | 3920.3 | 4109.0 | 4302.2 | 4483.8 |
| 62.5° | 1891.5 | 1897.7 | 1996.9 | 2271.6 | 2545.3 | 2571.9 | 3445.4 | 3704.1 | 3992.0 | 4289.7 | 4583.0 |
| 63°   | 1853.4 | 1860.5 | 1961.5 | 2244.1 | 2599.4 | 2556.9 | 3356.0 | 3628.8 | 3932.7 | 4253.4 | 4572.3 |
| 65°   | 1680.6 | 1681.5 | 1758.6 | 1981.8 | 2539.1 | 2583.4 | 2957.3 | 3217.8 | 3566.8 | 3951.3 | 4354.4 |
| 67.5° | 1254.5 | 1248.3 | 1322.7 | 1492.8 | 1993.4 | 2584.3 | 2538.2 | 2684.4 | 2927.1 | 3268.2 | 3629.7 |
| 70°   | 444.8  | 435.0  | 555.5  | 791.2  | 1242.1 | 2113.8 | 2181.2 | 2190.9 | 2258.2 | 2442.5 | 2669.4 |
| 72.5° | 144.4  | 147.1  | 177.2  | 289.7  | 572.3  | 1422.8 | 1974.8 | 1944.6 | 1926.9 | 1926.0 | 1956.2 |
| 75°   | 57.6   | 58.5   | 70.9   | 128.5  | 256.9  | 685.7  | 1729.4 | 1746.2 | 1752.4 | 1761.2 | 1771.0 |
| 77.5° | 27.5   | 30.1   | 39.8   | 71.7   | 127.6  | 339.3  | 1237.7 | 1380.3 | 1461.8 | 1524.7 | 1562.8 |
| 80°   | 9.8    | 11.5   | 22.1   | 44.3   | 59.3   | 155.9  | 652.1  | 786.7  | 906.3  | 1060.5 | 1193.3 |
| 82.5° | 0.0    | 0.0    | 4.4    | 31.0   | 32.8   | 62.9   | 267.5  | 313.6  | 358.8  | 465.1  | 597.1  |
| 85°   | 0.0    | 0.0    | 0.0    | 8.9    | 9.8    | 10.6   | 90.4   | 108.9  | 122.3  | 142.6  | 164.8  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 2.6    | 5.3    | 13.3   | 20.4   |
| 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):**

|       | 60°    | 61°    | 62°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 71°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  |
| 2.5°  | 217.9  | 217.1  | 217.1  | 215.3  | 214.4  | 212.6  | 211.8  | 209.1  | 208.2  | 208.2  | 208.2  |
| 5°    | 257.8  | 254.3  | 252.5  | 248.1  | 245.4  | 244.5  | 240.1  | 238.3  | 235.6  | 236.5  | 232.1  |
| 7.5°  | 302.1  | 295.9  | 293.2  | 287.0  | 285.3  | 279.0  | 277.3  | 272.9  | 270.2  | 264.9  | 263.1  |
| 10°   | 350.8  | 342.8  | 338.5  | 328.7  | 326.0  | 321.6  | 316.3  | 310.9  | 306.6  | 301.2  | 298.6  |
| 12.5° | 406.6  | 399.6  | 396.0  | 382.7  | 376.5  | 370.3  | 363.2  | 356.2  | 349.1  | 344.6  | 338.5  |
| 15°   | 472.2  | 460.7  | 457.2  | 444.8  | 434.1  | 426.1  | 416.4  | 407.6  | 402.2  | 393.4  | 387.2  |
| 17.5° | 536.9  | 525.4  | 522.7  | 504.1  | 492.6  | 487.3  | 476.7  | 465.1  | 455.4  | 446.5  | 436.8  |
| 20°   | 601.6  | 593.6  | 586.5  | 568.8  | 556.4  | 547.5  | 533.3  | 521.8  | 513.9  | 501.4  | 489.0  |
| 22.5° | 666.2  | 658.3  | 653.0  | 634.3  | 622.8  | 610.4  | 598.0  | 585.6  | 574.1  | 559.0  | 544.8  |
| 25°   | 732.7  | 727.4  | 724.7  | 707.9  | 697.2  | 685.7  | 673.3  | 659.1  | 645.0  | 628.1  | 613.1  |
| 27.5° | 801.8  | 803.5  | 798.2  | 794.7  | 783.2  | 775.2  | 755.7  | 746.0  | 735.3  | 714.9  | 696.4  |
| 30°   | 889.5  | 894.8  | 893.0  | 895.7  | 888.6  | 883.3  | 868.2  | 855.8  | 843.4  | 823.9  | 802.7  |
| 32.5° | 1000.2 | 1007.3 | 1010.9 | 1020.6 | 1017.1 | 1015.3 | 1010.9 | 993.2  | 984.3  | 950.6  | 941.8  |
| 35°   | 1171.2 | 1167.6 | 1182.7 | 1190.7 | 1187.2 | 1185.4 | 1180.1 | 1170.3 | 1159.7 | 1135.8 | 1113.6 |
| 37.5° | 1393.6 | 1397.2 | 1402.5 | 1386.5 | 1375.9 | 1375.0 | 1359.0 | 1349.3 | 1334.2 | 1307.7 | 1281.1 |
| 40°   | 1801.1 | 1779.0 | 1754.2 | 1686.8 | 1657.6 | 1640.7 | 1593.8 | 1580.5 | 1554.8 | 1518.5 | 1491.0 |
| 42.5° | 2330.9 | 2308.8 | 2234.3 | 2121.8 | 2061.6 | 1978.3 | 1940.2 | 1893.3 | 1856.9 | 1797.6 | 1765.7 |
| 45°   | 2857.2 | 2793.4 | 2784.5 | 2653.4 | 2579.0 | 2469.1 | 2400.9 | 2322.0 | 2239.7 | 2161.7 | 2105.0 |
| 47.5° | 3301.0 | 3286.9 | 3243.5 | 3163.7 | 3094.6 | 3002.4 | 2914.8 | 2793.4 | 2708.3 | 2597.6 | 2495.7 |
| 50°   | 3656.3 | 3655.4 | 3639.4 | 3593.4 | 3535.8 | 3461.4 | 3384.3 | 3281.5 | 3185.0 | 3049.4 | 2940.5 |
| 52.5° | 3922.1 | 3936.2 | 3941.6 | 3927.4 | 3905.2 | 3839.7 | 3800.7 | 3714.7 | 3633.3 | 3518.1 | 3400.2 |
| 55°   | 4117.0 | 4169.3 | 4195.8 | 4225.9 | 4219.7 | 4196.7 | 4194.9 | 4139.1 | 4101.9 | 4010.7 | 3927.4 |
| 57.5° | 4357.9 | 4443.9 | 4526.3 | 4672.4 | 4677.8 | 4729.2 | 4755.7 | 4782.3 | 4789.4 | 4753.1 | 4725.6 |
| 60°   | 4664.5 | 4839.9 | 4995.8 | 5301.5 | 5381.2 | 5507.0 | 5588.5 | 5677.1 | 5752.4 | 5758.6 | 5756.8 |
| 62.5° | 4880.6 | 5150.9 | 5402.4 | 5856.1 | 6011.1 | 6156.4 | 6265.3 | 6351.3 | 6403.6 | 6456.7 | 6481.5 |
| 63°   | 4886.8 | 5182.8 | 5450.3 | 5918.1 | 6081.1 | 6219.3 | 6322.9 | 6402.7 | 6457.6 | 6489.5 | 6505.5 |
| 65°   | 4737.1 | 5095.9 | 5414.9 | 5880.9 | 6034.1 | 6173.2 | 6227.3 | 6279.5 | 6306.1 | 6318.5 | 6271.6 |
| 67.5° | 4015.1 | 4365.9 | 4738.0 | 5258.9 | 5390.1 | 5556.6 | 5600.9 | 5627.5 | 5639.9 | 5637.2 | 5597.4 |
| 70°   | 3002.4 | 3296.6 | 3710.3 | 4305.7 | 4479.3 | 4642.3 | 4743.3 | 4786.8 | 4800.9 | 4796.5 | 4737.1 |
| 72.5° | 2096.1 | 2268.9 | 2610.0 | 3272.7 | 3509.2 | 3718.3 | 3843.2 | 3907.9 | 3921.2 | 3894.6 | 3839.7 |
| 75°   | 1760.4 | 1769.3 | 1846.3 | 2208.6 | 2430.2 | 2653.4 | 2794.2 | 2835.0 | 2808.4 | 2727.8 | 2587.8 |
| 77.5° | 1571.6 | 1591.1 | 1591.1 | 1645.2 | 1688.6 | 1750.6 | 1763.9 | 1664.7 | 1549.5 | 1400.7 | 1280.2 |
| 80°   | 1318.3 | 1386.5 | 1434.4 | 1474.2 | 1478.6 | 1466.3 | 1433.4 | 1377.6 | 1289.0 | 1175.6 | 1049.8 |
| 82.5° | 800.9  | 935.6  | 990.5  | 1196.0 | 1297.0 | 1365.3 | 1359.9 | 1285.5 | 1218.2 | 1100.3 | 993.2  |
| 85°   | 202.0  | 217.9  | 236.5  | 307.4  | 344.6  | 420.8  | 468.7  | 490.8  | 498.8  | 458.0  | 414.6  |
| 87.5° | 19.5   | 13.3   | 22.1   | 16.8   | 23.9   | 17.7   | 23.9   | 22.1   | 27.5   | 29.2   | 31.9   |
| 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):**

|       | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  |
| 2.5°  | 206.4  | 205.6  | 204.6  | 203.8  | 202.9  | 202.0  | 200.2  | 200.2  | 198.4  | 197.6  | 196.7  |
| 5°    | 229.5  | 227.7  | 226.8  | 225.0  | 222.4  | 220.6  | 217.9  | 214.4  | 211.8  | 210.9  | 209.1  |
| 7.5°  | 258.7  | 254.3  | 252.5  | 249.8  | 246.3  | 241.0  | 237.5  | 234.8  | 230.3  | 227.7  | 222.4  |
| 10°   | 291.5  | 287.0  | 281.7  | 276.4  | 271.1  | 264.9  | 260.5  | 256.9  | 249.8  | 246.3  | 240.1  |
| 12.5° | 333.1  | 325.1  | 318.9  | 311.9  | 304.7  | 297.7  | 292.4  | 281.7  | 275.5  | 267.5  | 262.2  |
| 15°   | 375.7  | 368.5  | 361.5  | 352.6  | 342.0  | 330.5  | 325.1  | 315.4  | 307.4  | 295.0  | 287.9  |
| 17.5° | 427.0  | 413.7  | 403.1  | 392.5  | 382.7  | 372.1  | 361.5  | 346.4  | 334.9  | 324.3  | 310.1  |
| 20°   | 477.5  | 461.6  | 450.1  | 435.9  | 421.7  | 404.9  | 392.5  | 381.9  | 365.9  | 351.7  | 336.6  |
| 22.5° | 531.6  | 515.6  | 497.0  | 482.9  | 463.3  | 450.1  | 433.2  | 415.5  | 399.6  | 381.0  | 362.3  |
| 25°   | 597.1  | 580.3  | 559.0  | 540.4  | 518.3  | 499.7  | 479.3  | 458.9  | 439.4  | 418.2  | 394.2  |
| 27.5° | 677.7  | 660.0  | 637.0  | 614.9  | 585.6  | 562.6  | 543.1  | 515.6  | 490.8  | 464.2  | 436.8  |
| 30°   | 779.7  | 760.1  | 731.8  | 699.9  | 670.7  | 645.0  | 617.5  | 581.2  | 553.7  | 521.8  | 486.4  |
| 32.5° | 912.5  | 889.5  | 851.4  | 821.2  | 785.0  | 751.3  | 713.2  | 676.8  | 637.9  | 596.2  | 555.5  |
| 35°   | 1080.0 | 1058.7 | 1014.4 | 970.1  | 930.2  | 890.4  | 842.5  | 800.9  | 746.0  | 695.5  | 643.2  |
| 37.5° | 1253.6 | 1215.5 | 1174.8 | 1126.9 | 1077.3 | 1029.4 | 971.0  | 913.4  | 850.5  | 795.6  | 730.0  |
| 40°   | 1452.1 | 1406.0 | 1372.3 | 1320.9 | 1250.9 | 1182.7 | 1128.7 | 1056.9 | 978.1  | 904.5  | 827.5  |
| 42.5° | 1724.0 | 1672.6 | 1612.4 | 1534.4 | 1484.0 | 1404.2 | 1334.2 | 1249.2 | 1145.5 | 1063.1 | 970.1  |
| 45°   | 2038.5 | 1968.6 | 1910.1 | 1834.8 | 1773.6 | 1674.4 | 1592.9 | 1479.5 | 1375.9 | 1267.8 | 1154.4 |
| 47.5° | 2397.4 | 2310.5 | 2225.5 | 2151.0 | 2053.6 | 1956.2 | 1852.5 | 1732.0 | 1599.1 | 1480.4 | 1345.7 |
| 50°   | 2809.3 | 2686.2 | 2568.4 | 2472.7 | 2338.9 | 2226.3 | 2113.8 | 1978.3 | 1831.2 | 1694.8 | 1541.6 |
| 52.5° | 3267.3 | 3124.7 | 2968.8 | 2821.7 | 2666.7 | 2522.3 | 2386.7 | 2230.8 | 2066.9 | 1900.3 | 1729.4 |
| 55°   | 3820.2 | 3713.0 | 3529.6 | 3342.6 | 3135.3 | 2942.2 | 2767.7 | 2574.6 | 2375.2 | 2156.4 | 1976.5 |
| 57.5° | 4685.8 | 4633.5 | 4480.2 | 4293.3 | 4023.1 | 3788.3 | 3492.4 | 3255.8 | 2967.0 | 2665.8 | 2433.7 |
| 60°   | 5858.7 | 5794.1 | 5708.1 | 5556.6 | 5342.2 | 5023.3 | 4697.3 | 4329.6 | 3890.2 | 3472.9 | 3076.9 |
| 62.5° | 6484.2 | 6461.1 | 6391.2 | 6286.6 | 6086.4 | 5834.8 | 5506.1 | 5102.1 | 4606.0 | 4099.2 | 3594.2 |
| 63°   | 6502.8 | 6473.6 | 6413.3 | 6307.0 | 6130.7 | 5887.1 | 5564.6 | 5172.1 | 4686.6 | 4170.1 | 3654.5 |
| 65°   | 6251.2 | 6239.7 | 6178.5 | 6062.5 | 5942.0 | 5756.0 | 5506.1 | 5168.6 | 4761.1 | 4272.9 | 3760.0 |
| 67.5° | 5544.2 | 5509.6 | 5415.8 | 5380.3 | 5296.1 | 5166.8 | 4976.3 | 4744.2 | 4452.7 | 4069.1 | 3626.1 |
| 70°   | 4689.3 | 4637.9 | 4520.0 | 4457.2 | 4354.4 | 4272.9 | 4156.8 | 3991.2 | 3811.3 | 3543.8 | 3213.3 |
| 72.5° | 3783.0 | 3676.7 | 3568.6 | 3404.7 | 3261.2 | 3115.9 | 2987.4 | 2870.4 | 2672.9 | 2564.8 | 2314.1 |
| 75°   | 2456.7 | 2263.6 | 2078.4 | 1830.4 | 1607.1 | 1409.5 | 1217.3 | 1119.8 | 916.9  | 834.6  | 716.7  |
| 77.5° | 1165.9 | 1057.8 | 912.5  | 800.0  | 656.5  | 536.0  | 437.6  | 328.7  | 257.8  | 202.0  | 154.2  |
| 80°   | 940.9  | 849.6  | 761.9  | 660.0  | 552.0  | 440.3  | 337.5  | 252.5  | 179.0  | 124.0  | 87.7   |
| 82.5° | 839.0  | 739.8  | 631.7  | 561.7  | 488.2  | 399.6  | 327.8  | 267.5  | 197.6  | 144.4  | 98.3   |
| 85°   | 326.0  | 274.7  | 211.8  | 172.7  | 134.6  | 110.8  | 100.1  | 69.1   | 54.0   | 42.5   | 32.8   |
| 87.5° | 28.3   | 23.0   | 18.6   | 12.4   | 13.3   | 7.1    | 7.9    | 5.3    | 4.4    | 4.4    | 3.6    |
| 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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CATALOG NUMBER: LDRC-SL2-E03-E-7030-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 83°    | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°   | 95°   | 105°  | 115°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9  | 186.9 | 186.9 | 186.9 | 186.9 |
| 2.5°  | 195.8  | 194.9  | 194.0  | 192.2  | 192.2  | 190.5  | 189.6  | 188.7 | 184.3 | 174.5 | 166.5 |
| 5°    | 205.6  | 203.8  | 202.0  | 199.3  | 197.6  | 194.9  | 193.1  | 190.5 | 180.7 | 162.1 | 146.2 |
| 7.5°  | 219.7  | 216.2  | 213.5  | 208.2  | 205.6  | 202.0  | 199.3  | 194.9 | 179.0 | 150.6 | 128.5 |
| 10°   | 236.5  | 230.3  | 225.9  | 219.7  | 214.4  | 209.9  | 205.6  | 199.3 | 177.2 | 138.2 | 112.5 |
| 12.5° | 256.9  | 249.8  | 241.0  | 233.9  | 226.8  | 220.6  | 214.4  | 206.4 | 174.5 | 127.6 | 100.1 |
| 15°   | 277.3  | 266.7  | 260.5  | 250.7  | 241.0  | 232.1  | 223.3  | 216.2 | 175.4 | 116.1 | 89.5  |
| 17.5° | 300.3  | 289.7  | 276.4  | 265.8  | 255.2  | 243.6  | 233.0  | 218.8 | 171.0 | 107.2 | 81.5  |
| 20°   | 322.5  | 307.4  | 295.0  | 281.7  | 266.7  | 252.5  | 239.2  | 226.8 | 167.4 | 98.3  | 74.4  |
| 22.5° | 346.4  | 328.7  | 312.7  | 295.9  | 277.3  | 261.3  | 245.4  | 229.5 | 161.2 | 90.4  | 68.2  |
| 25°   | 375.7  | 355.3  | 332.2  | 311.9  | 292.4  | 272.9  | 252.5  | 233.0 | 155.0 | 83.3  | 63.8  |
| 27.5° | 411.1  | 384.5  | 361.5  | 335.8  | 308.3  | 283.5  | 261.3  | 240.1 | 148.8 | 78.0  | 59.3  |
| 30°   | 456.3  | 425.3  | 392.5  | 359.7  | 330.5  | 302.1  | 271.1  | 244.5 | 142.6 | 72.7  | 54.9  |
| 32.5° | 516.5  | 477.5  | 437.6  | 399.6  | 360.6  | 324.3  | 291.5  | 256.9 | 139.1 | 68.2  | 50.5  |
| 35°   | 596.2  | 545.8  | 497.0  | 449.1  | 402.2  | 357.9  | 315.4  | 276.4 | 139.1 | 62.9  | 45.2  |
| 37.5° | 671.5  | 613.1  | 551.1  | 491.7  | 435.9  | 384.5  | 334.0  | 287.0 | 132.0 | 58.5  | 40.8  |
| 40°   | 753.1  | 683.0  | 610.4  | 540.4  | 473.1  | 409.3  | 351.7  | 297.7 | 125.8 | 53.2  | 36.3  |
| 42.5° | 878.0  | 789.4  | 694.6  | 613.1  | 532.4  | 453.6  | 381.9  | 318.1 | 117.8 | 47.8  | 31.9  |
| 45°   | 1041.9 | 929.4  | 817.7  | 718.5  | 615.7  | 519.2  | 434.1  | 355.3 | 116.1 | 43.4  | 27.5  |
| 47.5° | 1217.3 | 1084.4 | 953.3  | 826.6  | 706.1  | 593.6  | 491.7  | 396.9 | 116.1 | 39.0  | 23.9  |
| 50°   | 1391.8 | 1225.2 | 1085.3 | 938.2  | 802.7  | 669.8  | 548.4  | 440.3 | 116.9 | 35.5  | 19.5  |
| 52.5° | 1549.5 | 1371.5 | 1214.6 | 1044.5 | 894.8  | 740.6  | 608.6  | 482.9 | 115.2 | 31.0  | 15.9  |
| 55°   | 1768.3 | 1559.3 | 1377.6 | 1189.8 | 1014.4 | 840.8  | 691.0  | 546.6 | 116.1 | 27.5  | 13.3  |
| 57.5° | 2171.4 | 1926.0 | 1707.2 | 1460.9 | 1258.9 | 1034.8 | 853.1  | 677.7 | 126.7 | 23.0  | 9.8   |
| 60°   | 2750.0 | 2431.0 | 2123.6 | 1823.3 | 1566.3 | 1299.7 | 1064.0 | 857.6 | 148.8 | 18.6  | 7.1   |
| 62.5° | 3138.9 | 2721.6 | 2354.9 | 2023.5 | 1724.9 | 1445.9 | 1188.9 | 954.1 | 163.9 | 15.1  | 4.4   |
| 63°   | 3178.7 | 2747.3 | 2378.7 | 2036.8 | 1732.0 | 1452.9 | 1194.2 | 961.3 | 164.8 | 14.2  | 4.4   |
| 65°   | 3254.1 | 2791.6 | 2392.1 | 2039.4 | 1724.9 | 1443.2 | 1190.7 | 960.3 | 166.5 | 11.5  | 3.6   |
| 67.5° | 3168.1 | 2723.4 | 2315.0 | 1963.2 | 1662.9 | 1385.6 | 1146.4 | 924.9 | 165.7 | 7.9   | 2.6   |
| 70°   | 2833.2 | 2464.7 | 2105.9 | 1778.1 | 1505.2 | 1254.5 | 1043.6 | 843.4 | 152.4 | 5.3   | 1.8   |
| 72.5° | 2080.2 | 1829.5 | 1551.3 | 1314.7 | 1134.0 | 941.8  | 803.5  | 633.4 | 117.8 | 3.6   | 0.9   |
| 75°   | 616.6  | 561.7  | 472.2  | 416.4  | 367.7  | 303.9  | 270.2  | 210.9 | 60.2  | 1.8   | 0.0   |
| 77.5° | 123.1  | 111.6  | 100.1  | 91.2   | 85.9   | 73.5   | 70.0   | 57.6  | 24.8  | 0.9   | 0.0   |
| 80°   | 64.7   | 53.2   | 45.2   | 39.8   | 34.5   | 28.3   | 23.9   | 19.5  | 4.4   | 0.0   | 0.0   |
| 82.5° | 62.0   | 41.6   | 30.1   | 24.8   | 21.3   | 16.8   | 13.3   | 9.8   | 2.6   | 0.0   | 0.0   |
| 85°   | 23.0   | 17.7   | 13.3   | 10.6   | 8.9    | 7.9    | 6.2    | 5.3   | 0.0   | 0.0   | 0.0   |
| 87.5° | 3.6    | 2.6    | 2.6    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9   | 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   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 186.9 | 186.9 | 186.9 | 186.9 | 186.9 | 186.9 | 186.9 |
| 2.5°  | 158.6 | 151.5 | 148.0 | 143.5 | 143.5 | 142.6 | 144.4 |
| 5°    | 132.0 | 122.3 | 115.2 | 109.9 | 110.8 | 108.1 | 108.9 |
| 7.5°  | 111.6 | 101.9 | 95.7  | 92.1  | 91.2  | 90.4  | 90.4  |
| 10°   | 96.6  | 87.7  | 82.4  | 79.7  | 78.9  | 78.9  | 78.9  |
| 12.5° | 85.9  | 77.1  | 72.7  | 70.9  | 70.9  | 70.0  | 70.0  |
| 15°   | 77.1  | 70.0  | 65.5  | 63.8  | 63.8  | 62.9  | 63.8  |
| 17.5° | 70.0  | 62.9  | 59.3  | 57.6  | 57.6  | 56.7  | 56.7  |
| 20°   | 63.8  | 57.6  | 54.0  | 51.4  | 51.4  | 50.5  | 51.4  |
| 22.5° | 58.5  | 52.3  | 47.8  | 46.1  | 45.2  | 44.3  | 45.2  |
| 25°   | 53.2  | 47.0  | 42.5  | 39.8  | 39.0  | 39.0  | 38.1  |
| 27.5° | 48.7  | 42.5  | 37.2  | 34.5  | 33.6  | 33.6  | 32.8  |
| 30°   | 44.3  | 37.2  | 31.9  | 29.2  | 28.3  | 28.3  | 28.3  |
| 32.5° | 39.8  | 31.9  | 27.5  | 24.8  | 23.9  | 23.9  | 23.9  |
| 35°   | 35.5  | 27.5  | 23.0  | 20.4  | 19.5  | 19.5  | 19.5  |
| 37.5° | 30.1  | 23.0  | 17.7  | 15.9  | 15.1  | 14.2  | 14.2  |
| 40°   | 25.7  | 17.7  | 13.3  | 11.5  | 9.8   | 9.8   | 9.8   |
| 42.5° | 21.3  | 14.2  | 9.8   | 7.1   | 6.2   | 5.3   | 6.2   |
| 45°   | 17.7  | 10.6  | 6.2   | 3.6   | 2.6   | 2.6   | 2.6   |
| 47.5° | 14.2  | 7.1   | 2.6   | 0.9   | 0.9   | 0.9   | 0.9   |
| 50°   | 10.6  | 4.4   | 0.9   | 0.0   | 0.0   | 0.9   | 0.9   |
| 52.5° | 7.9   | 2.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 4.4   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 2.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 1.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 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   |

(END OF REPORT)