

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: P143727

Luminaire Tested: **LDRV-5MQ-F01-E-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P143727  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33697)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRV-5MQ-F01-E-7060  
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (7) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2632.4 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

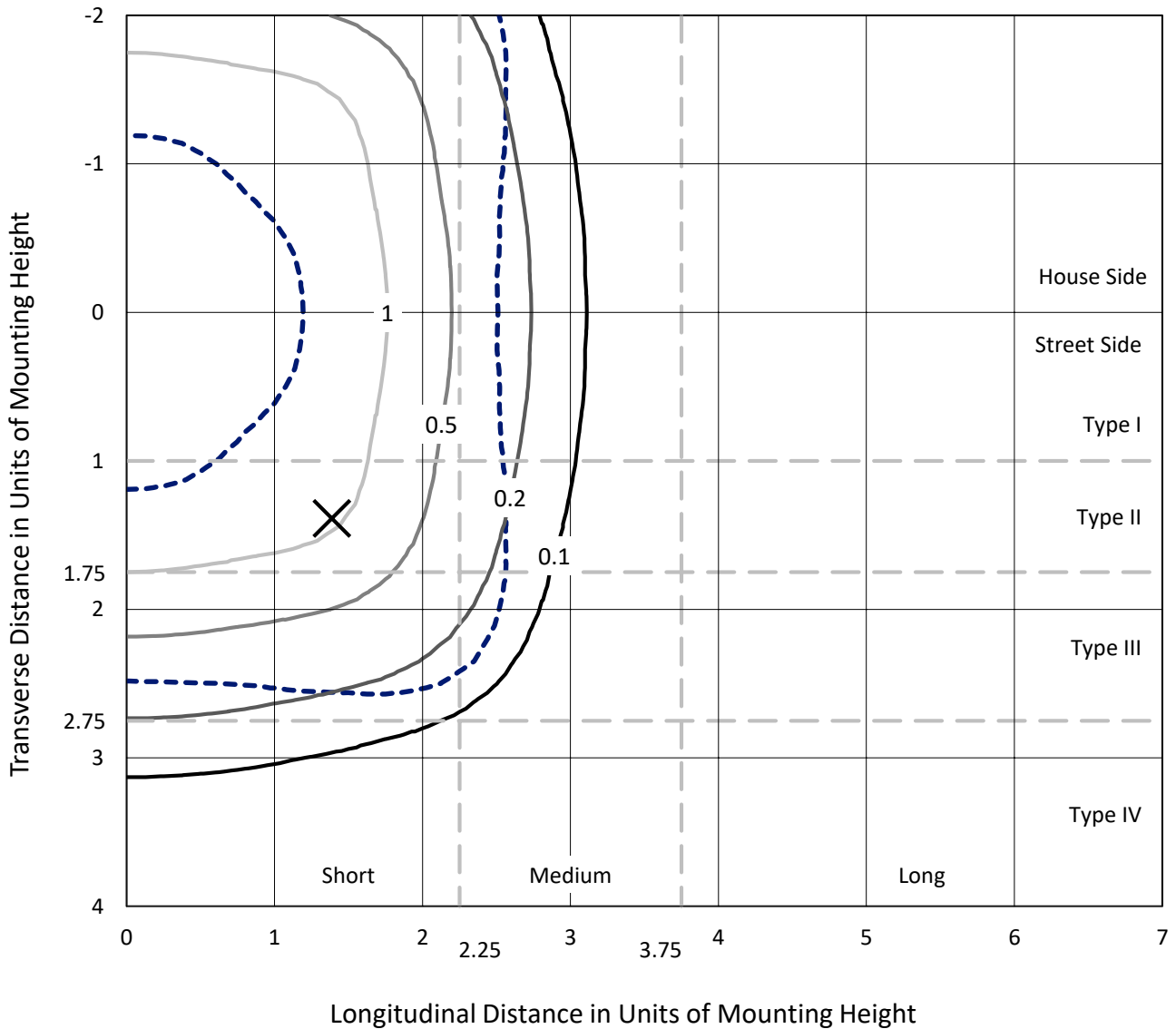
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

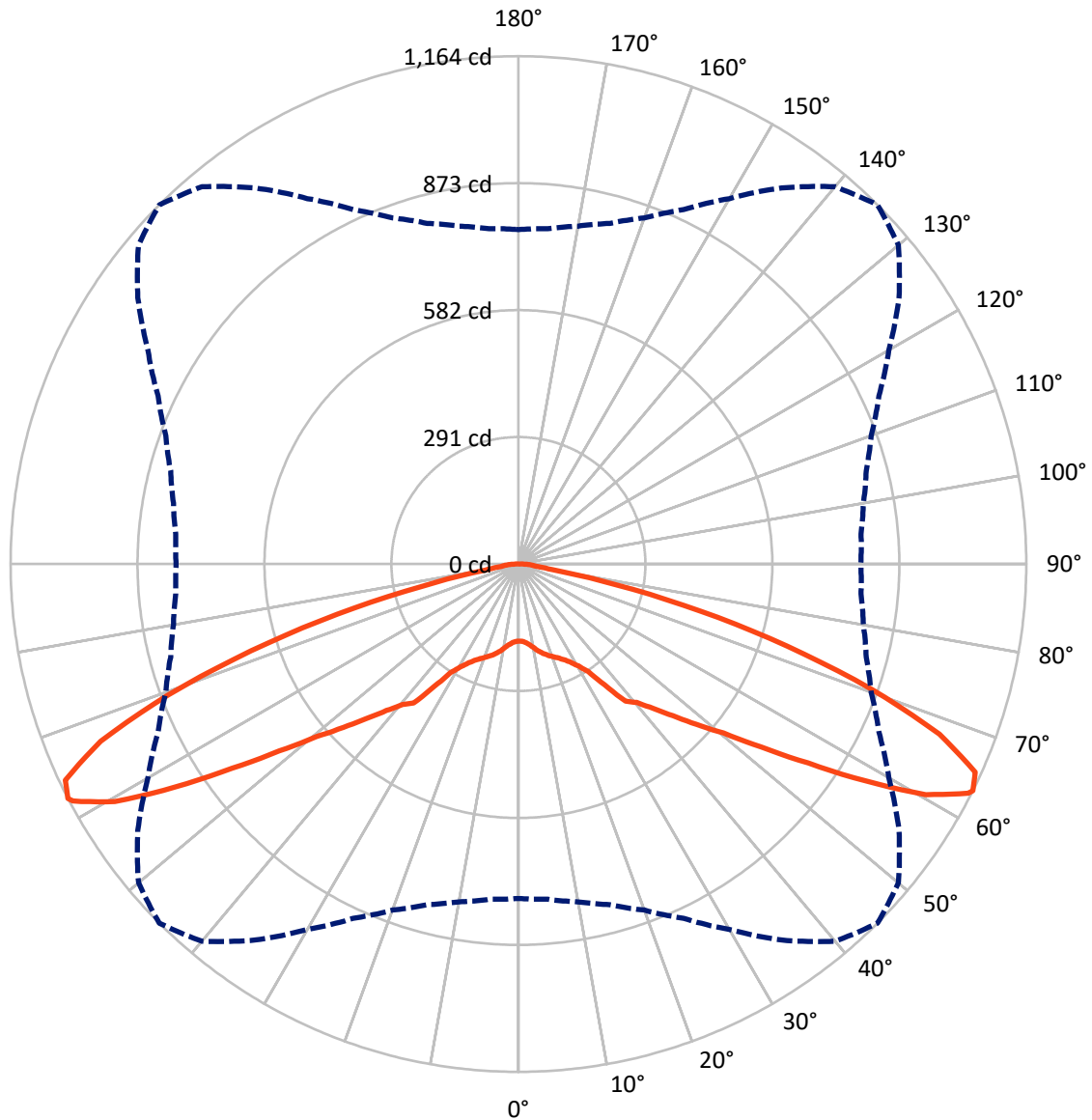
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1316.2   | 0.0    | 1316.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1316.2   | 0.0    | 1316.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2632.4   | 0.0    | 2632.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 17.8   | 0.7       |
| 10°-20°   | 60.8   | 2.3       |
| 20°-30°   | 116.1  | 4.4       |
| 30°-40°   | 221.1  | 8.4       |
| 40°-50°   | 380.8  | 14.5      |
| 50°-60°   | 680.5  | 25.8      |
| 60°-70°   | 828.8  | 31.5      |
| 70°-80°   | 295.2  | 11.2      |
| 80°-90°   | 31.3   | 1.2       |
| 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°    | 2632.4 | 100.0     |
| 0°-180°   | 2632.4 | 100.0     |

**Coefficient of Utilization**



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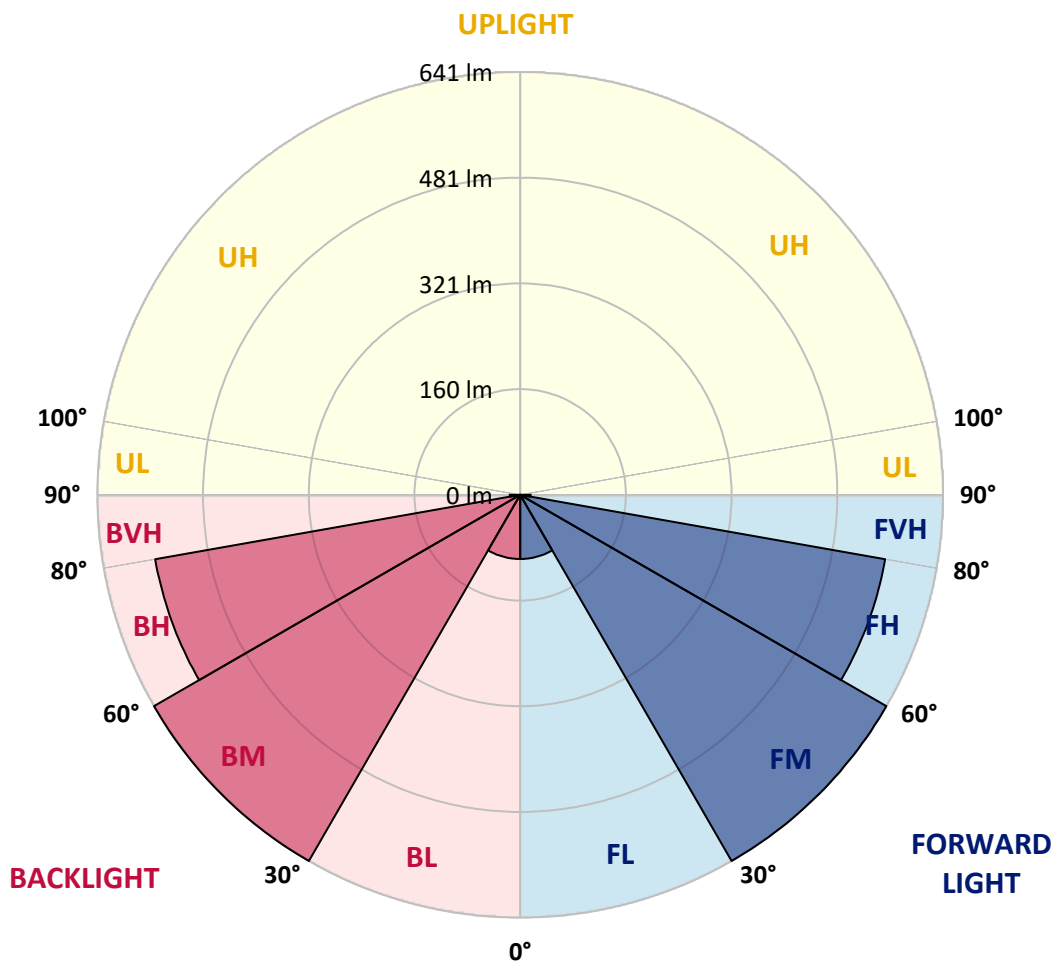
CATALOG NUMBER: LDRV-5MQ-F01-E-7060

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 97.3   | 3.7       |                         |      |        |
| FM (30°-60°)   | 641.2  | 24.4      |                         |      |        |
| FH (60°-80°)   | 562.0  | 21.4      |                         |      | G0/660 |
| FVH (80°-90°)  | 15.6   | 0.6       |                         |      | G1/100 |
| BL (0°-30°)    | 97.3   | 3.7       | B0/110                  |      |        |
| BM (30°-60°)   | 641.2  | 24.4      | B1/1000                 |      |        |
| BH (60°-80°)   | 562.0  | 21.4      | B2/1000                 |      | G0/660 |
| BVH (80°-90°)  | 15.6   | 0.6       |                         |      | G1/100 |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°    | 40°    | 45°    | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 | 176.7  | 176.7  | 176.7  | 176.7  |
| 2.5°  | 178.1 | 177.9 | 178.1 | 177.7 | 177.7 | 177.5 | 177.5 | 177.5  | 177.2  | 177.5  | 177.2  |
| 5°    | 181.8 | 181.6 | 181.8 | 181.4 | 181.4 | 181.1 | 181.1 | 181.1  | 180.8  | 181.1  | 180.9  |
| 7.5°  | 188.2 | 188.6 | 188.2 | 187.9 | 187.9 | 187.5 | 187.4 | 187.4  | 187.2  | 187.0  | 187.4  |
| 10°   | 197.2 | 197.5 | 197.0 | 196.7 | 196.5 | 196.4 | 196.0 | 195.8  | 195.8  | 195.2  | 195.3  |
| 12.5° | 206.7 | 206.7 | 206.2 | 206.0 | 206.0 | 205.7 | 205.0 | 204.8  | 204.8  | 204.5  | 204.1  |
| 15°   | 215.2 | 215.2 | 214.8 | 214.1 | 214.3 | 213.8 | 213.3 | 213.0  | 213.0  | 212.6  | 212.3  |
| 17.5° | 223.0 | 223.0 | 222.4 | 221.8 | 221.4 | 221.3 | 220.6 | 220.2  | 220.2  | 219.9  | 219.6  |
| 20°   | 230.7 | 231.1 | 230.2 | 229.6 | 228.9 | 228.2 | 227.5 | 227.2  | 226.7  | 226.8  | 226.7  |
| 22.5° | 240.1 | 240.2 | 238.9 | 238.0 | 236.7 | 235.8 | 234.8 | 234.5  | 233.8  | 233.8  | 234.1  |
| 25°   | 251.9 | 251.8 | 250.2 | 248.7 | 247.2 | 245.5 | 244.0 | 243.6  | 242.9  | 242.8  | 242.9  |
| 27.5° | 267.5 | 267.3 | 265.5 | 263.4 | 261.4 | 258.9 | 257.0 | 256.0  | 255.5  | 254.8  | 255.1  |
| 30°   | 286.7 | 287.0 | 284.8 | 282.4 | 279.9 | 276.8 | 274.5 | 273.1  | 272.1  | 271.4  | 271.7  |
| 32.5° | 325.6 | 325.3 | 321.9 | 316.8 | 311.4 | 304.3 | 298.5 | 296.1  | 294.3  | 293.6  | 294.1  |
| 35°   | 364.8 | 364.4 | 363.1 | 361.5 | 360.2 | 355.6 | 351.4 | 346.5  | 342.4  | 339.8  | 340.5  |
| 37.5° | 383.2 | 383.2 | 382.2 | 381.9 | 381.9 | 384.6 | 388.0 | 394.1  | 398.8  | 399.1  | 397.6  |
| 40°   | 412.0 | 412.0 | 410.3 | 409.5 | 409.0 | 409.8 | 412.0 | 414.2  | 416.6  | 417.1  | 415.4  |
| 42.5° | 445.9 | 444.4 | 443.2 | 441.5 | 441.3 | 442.2 | 444.5 | 447.3  | 449.6  | 451.7  | 448.1  |
| 45°   | 482.5 | 481.1 | 480.0 | 478.9 | 479.6 | 481.8 | 485.0 | 489.8  | 493.2  | 496.2  | 493.3  |
| 47.5° | 523.3 | 520.4 | 521.6 | 520.6 | 522.3 | 526.7 | 532.5 | 539.6  | 543.1  | 548.6  | 544.0  |
| 50°   | 574.1 | 574.8 | 574.1 | 574.1 | 576.2 | 581.9 | 590.4 | 600.1  | 606.2  | 609.2  | 606.5  |
| 52.5° | 649.7 | 647.7 | 643.1 | 644.5 | 647.2 | 656.3 | 667.3 | 680.9  | 688.7  | 696.0  | 687.5  |
| 55°   | 732.4 | 732.7 | 732.0 | 733.9 | 739.2 | 748.5 | 762.4 | 782.9  | 792.7  | 805.4  | 795.2  |
| 57.5° | 800.8 | 803.2 | 807.3 | 812.9 | 824.2 | 839.8 | 867.1 | 898.4  | 924.5  | 938.2  | 922.3  |
| 60°   | 823.0 | 825.4 | 835.2 | 850.8 | 872.1 | 904.0 | 948.2 | 1001.9 | 1048.8 | 1073.2 | 1052.4 |
| 62.5° | 780.3 | 784.7 | 799.3 | 820.8 | 856.1 | 905.9 | 971.6 | 1051.1 | 1123.4 | 1156.8 | 1131.5 |
| 63°   | 766.4 | 771.3 | 786.3 | 808.1 | 844.0 | 896.0 | 967.0 | 1052.1 | 1128.6 | 1163.9 | 1136.6 |
| 65°   | 704.8 | 708.0 | 723.7 | 748.6 | 788.6 | 842.8 | 921.8 | 1022.4 | 1109.7 | 1150.5 | 1121.5 |
| 67.5° | 607.7 | 611.9 | 626.3 | 647.8 | 686.6 | 744.1 | 821.7 | 922.0  | 1007.9 | 1040.5 | 1015.8 |
| 70°   | 487.4 | 492.2 | 504.0 | 524.0 | 554.5 | 607.7 | 674.1 | 767.8  | 832.3  | 857.9  | 831.5  |
| 72.5° | 342.6 | 344.6 | 353.2 | 374.2 | 397.1 | 439.5 | 492.2 | 565.0  | 627.0  | 643.8  | 618.4  |
| 75°   | 145.0 | 145.2 | 156.5 | 169.9 | 198.6 | 240.7 | 286.7 | 349.3  | 405.1  | 431.2  | 399.0  |
| 77.5° | 46.4  | 46.9  | 50.1  | 55.1  | 64.5  | 83.4  | 117.2 | 151.6  | 202.8  | 227.5  | 197.4  |
| 80°   | 38.8  | 39.5  | 40.8  | 41.8  | 42.5  | 43.5  | 47.4  | 52.9   | 66.6   | 77.4   | 62.5   |
| 82.5° | 33.4  | 34.6  | 37.6  | 38.8  | 39.5  | 39.8  | 40.3  | 40.2   | 39.3   | 39.0   | 39.1   |
| 85°   | 25.4  | 28.3  | 31.7  | 34.4  | 34.7  | 34.9  | 35.9  | 36.3   | 33.5   | 30.8   | 33.5   |
| 87.5° | 11.0  | 14.2  | 21.9  | 24.2  | 23.7  | 22.0  | 23.5  | 24.9   | 22.7   | 16.6   | 22.2   |
| 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°   |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 176.7  | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 | 176.7 |
| 2.5°  | 177.4  | 177.7 | 177.7 | 177.7 | 177.7 | 177.9 | 178.1 | 177.9 |
| 5°    | 181.1  | 181.4 | 181.3 | 181.4 | 181.4 | 181.6 | 181.8 | 181.6 |
| 7.5°  | 187.5  | 187.5 | 187.5 | 187.9 | 187.9 | 188.2 | 188.2 | 188.2 |
| 10°   | 195.5  | 195.3 | 195.3 | 195.7 | 196.0 | 196.2 | 196.5 | 196.4 |
| 12.5° | 204.1  | 203.8 | 204.0 | 204.3 | 204.7 | 204.8 | 205.2 | 205.0 |
| 15°   | 211.9  | 211.8 | 211.8 | 212.3 | 212.4 | 212.6 | 213.3 | 213.3 |
| 17.5° | 219.4  | 219.4 | 219.4 | 220.1 | 220.2 | 220.9 | 221.4 | 221.4 |
| 20°   | 226.8  | 226.8 | 226.8 | 227.5 | 228.0 | 229.0 | 230.1 | 229.9 |
| 22.5° | 234.5  | 234.6 | 235.0 | 235.7 | 236.8 | 238.4 | 239.2 | 239.2 |
| 25°   | 244.0  | 244.6 | 245.3 | 246.3 | 248.0 | 250.1 | 251.4 | 251.9 |
| 27.5° | 256.2  | 257.7 | 259.4 | 260.9 | 262.8 | 265.3 | 267.2 | 267.5 |
| 30°   | 272.8  | 275.0 | 277.7 | 279.7 | 282.1 | 285.0 | 287.2 | 288.3 |
| 32.5° | 296.3  | 301.7 | 305.3 | 312.6 | 317.0 | 321.9 | 326.0 | 327.6 |
| 35°   | 344.8  | 350.2 | 354.9 | 359.8 | 360.9 | 362.5 | 364.8 | 365.3 |
| 37.5° | 392.7  | 388.3 | 384.1 | 383.9 | 382.7 | 383.0 | 383.7 | 384.6 |
| 40°   | 413.5  | 412.2 | 410.0 | 410.8 | 411.0 | 411.0 | 412.4 | 412.5 |
| 42.5° | 447.1  | 443.9 | 441.3 | 443.4 | 443.7 | 444.0 | 445.4 | 446.9 |
| 45°   | 489.8  | 484.9 | 481.6 | 480.5 | 481.6 | 481.3 | 483.2 | 483.5 |
| 47.5° | 538.6  | 532.1 | 524.8 | 522.5 | 521.8 | 520.3 | 523.5 | 523.2 |
| 50°   | 598.4  | 588.0 | 579.2 | 575.8 | 574.1 | 573.3 | 574.1 | 574.1 |
| 52.5° | 674.1  | 663.8 | 651.7 | 647.8 | 646.5 | 648.4 | 645.6 | 648.5 |
| 55°   | 778.3  | 761.5 | 745.1 | 739.8 | 739.0 | 738.1 | 738.5 | 739.7 |
| 57.5° | 895.5  | 865.7 | 843.7 | 830.8 | 822.5 | 818.4 | 814.0 | 813.4 |
| 60°   | 1008.7 | 954.5 | 912.6 | 884.2 | 864.0 | 848.8 | 841.0 | 838.3 |
| 62.5° | 1063.2 | 984.0 | 918.9 | 870.5 | 840.5 | 815.6 | 801.8 | 798.3 |
| 63°   | 1064.8 | 980.2 | 911.3 | 860.1 | 825.2 | 802.9 | 788.3 | 784.6 |
| 65°   | 1036.5 | 940.3 | 859.4 | 803.2 | 766.3 | 742.9 | 724.9 | 721.0 |
| 67.5° | 933.5  | 840.1 | 757.5 | 700.4 | 660.4 | 641.6 | 621.8 | 621.2 |
| 70°   | 766.1  | 682.7 | 613.1 | 560.6 | 527.2 | 508.6 | 488.4 | 488.9 |
| 72.5° | 560.1  | 486.1 | 438.1 | 397.1 | 361.9 | 344.3 | 325.3 | 327.1 |
| 75°   | 337.1  | 271.1 | 227.9 | 192.3 | 156.0 | 134.3 | 119.8 | 111.5 |
| 77.5° | 144.2  | 98.6  | 70.8  | 56.2  | 47.4  | 43.9  | 42.2  | 41.7  |
| 80°   | 50.1   | 44.4  | 41.8  | 41.2  | 40.7  | 40.0  | 38.8  | 37.6  |
| 82.5° | 40.7   | 40.7  | 39.3  | 39.1  | 37.6  | 36.4  | 33.4  | 31.9  |
| 85°   | 36.1   | 35.4  | 34.2  | 33.7  | 33.4  | 30.8  | 26.9  | 24.9  |
| 87.5° | 23.9   | 22.2  | 21.2  | 21.7  | 21.0  | 18.8  | 11.5  | 9.1   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)