

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: P143718

Luminaire Tested: **LDRV-5MQ-E01-E-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P143718  
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-E01-E-8030  
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2622.9 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

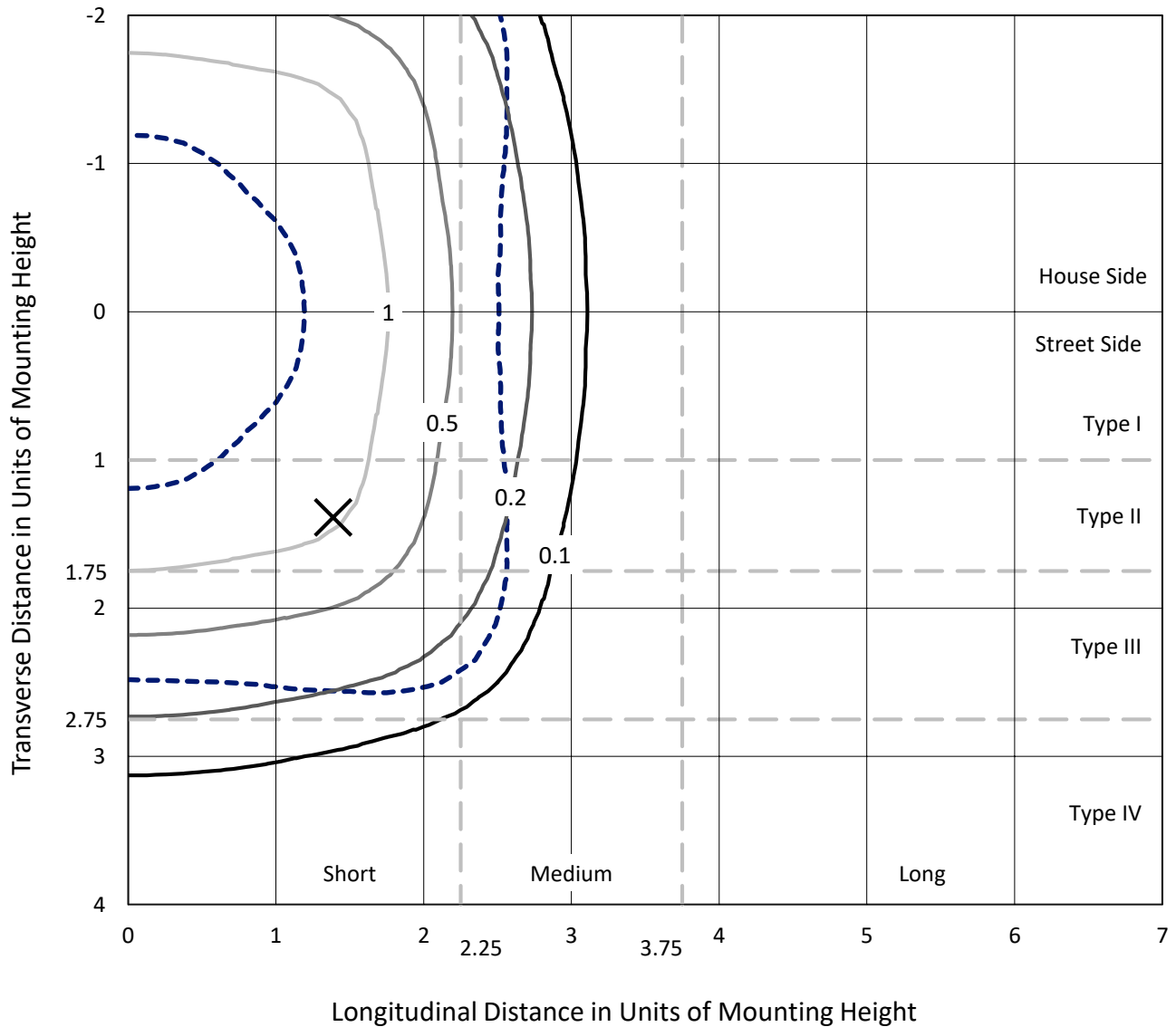
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

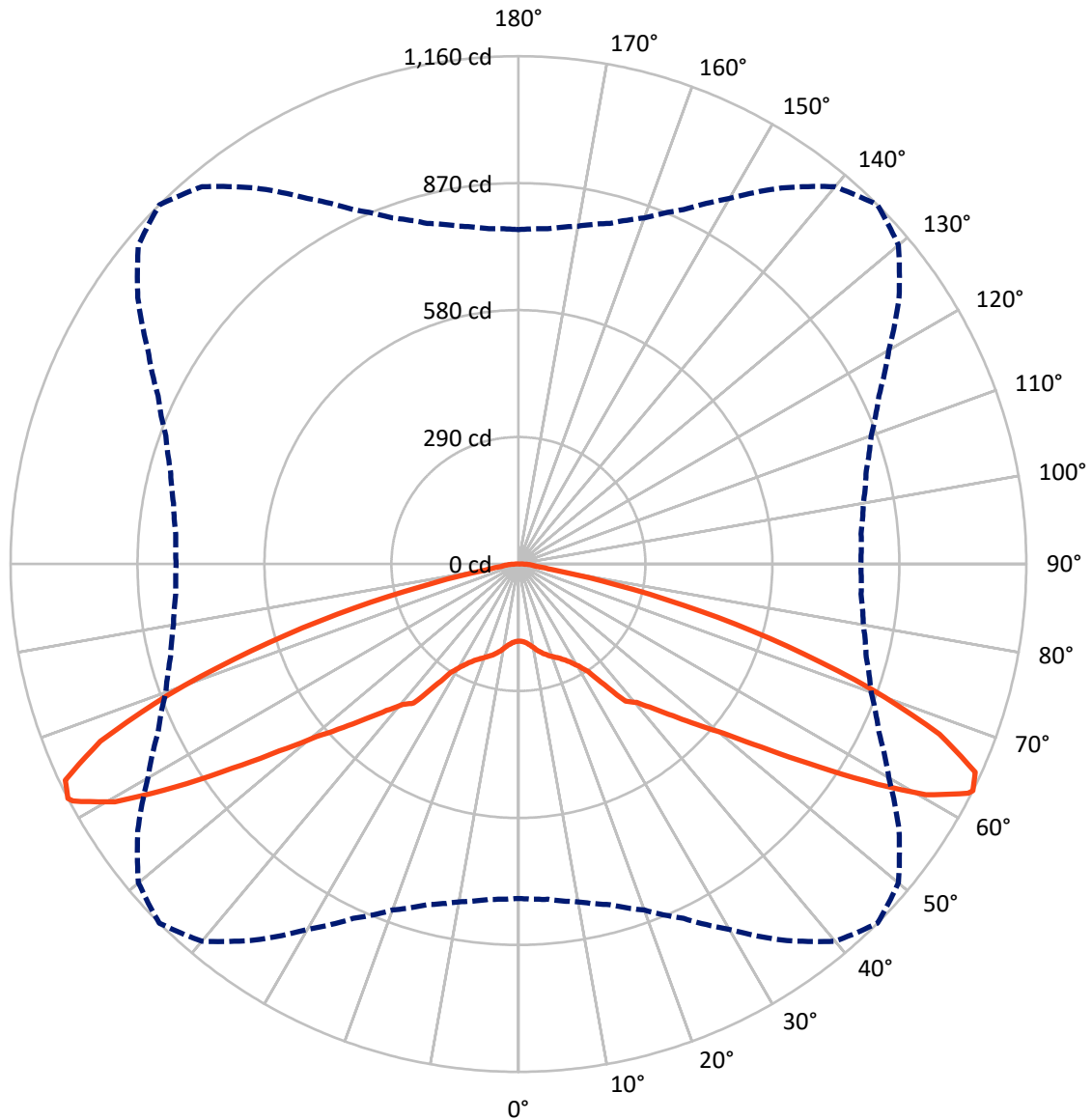
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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    | 1311.4   | 0.0    | 1311.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1311.4   | 0.0    | 1311.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2622.9   | 0.0    | 2622.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 17.7   | 0.7       |
| 10°-20°   | 60.6   | 2.3       |
| 20°-30°   | 115.7  | 4.4       |
| 30°-40°   | 220.3  | 8.4       |
| 40°-50°   | 379.4  | 14.5      |
| 50°-60°   | 678.0  | 25.8      |
| 60°-70°   | 825.8  | 31.5      |
| 70°-80°   | 294.2  | 11.2      |
| 80°-90°   | 31.2   | 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°    | 2622.9 | 100.0     |
| 0°-180°   | 2622.9 | 100.0     |



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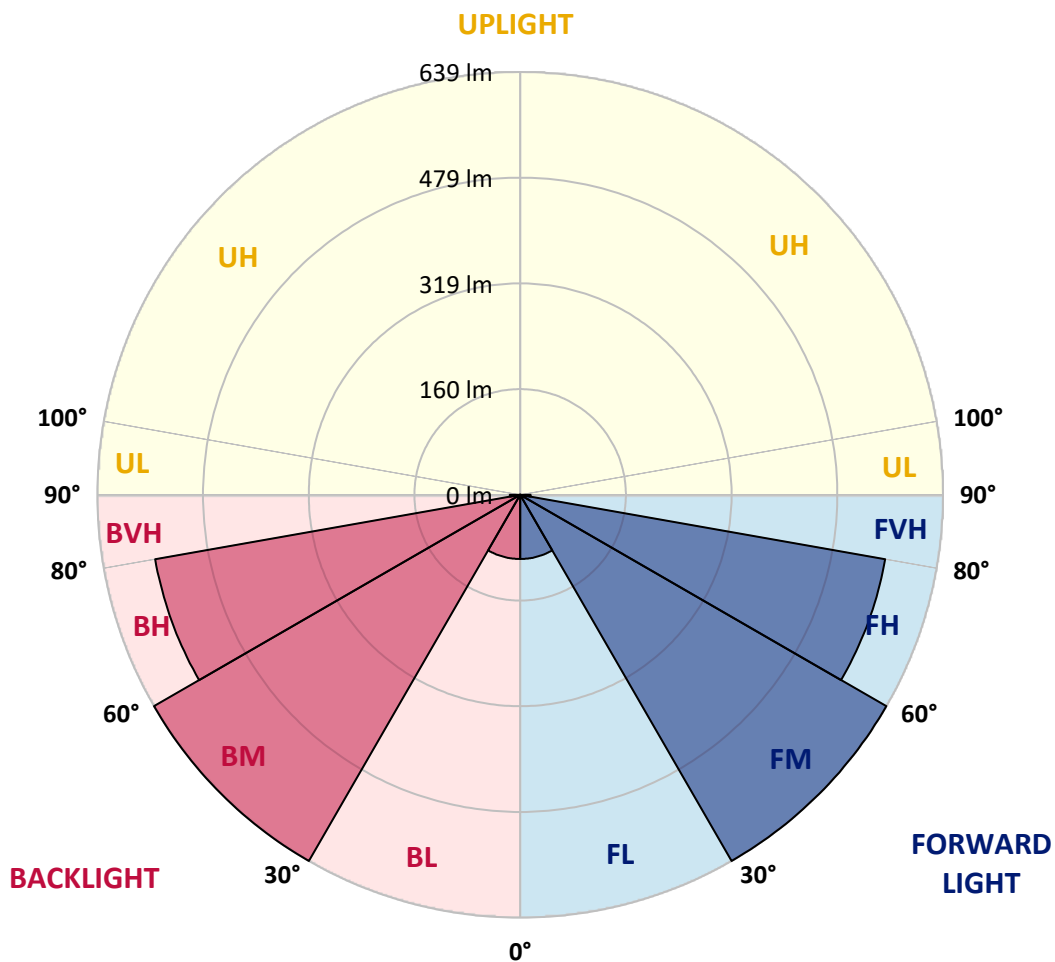
CATALOG NUMBER: LDRV-5MQ-E01-E-8030

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 97.0   | 3.7       |                         |      |        |
| FM (30°-60°)   | 638.9  | 24.4      |                         |      |        |
| FH (60°-80°)   | 560.0  | 21.4      |                         |      | G0/660 |
| FVH (80°-90°)  | 15.6   | 0.6       |                         |      | G1/100 |
| BL (0°-30°)    | 97.0   | 3.7       | B0/110                  |      |        |
| BM (30°-60°)   | 638.9  | 24.4      | B1/1000                 |      |        |
| BH (60°-80°)   | 560.0  | 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°    | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 | 176.1  | 176.1  | 176.1  | 176.1  |
| 2.5°  | 177.4 | 177.2 | 177.4 | 177.1 | 177.1 | 176.9 | 176.9 | 176.9  | 176.6  | 176.9  | 176.6  |
| 5°    | 181.1 | 181.0 | 181.1 | 180.8 | 180.8 | 180.4 | 180.4 | 180.4  | 180.1  | 180.4  | 180.3  |
| 7.5°  | 187.5 | 187.9 | 187.5 | 187.2 | 187.2 | 186.9 | 186.7 | 186.7  | 186.5  | 186.4  | 186.7  |
| 10°   | 196.5 | 196.8 | 196.3 | 196.0 | 195.8 | 195.6 | 195.3 | 195.1  | 195.1  | 194.5  | 194.6  |
| 12.5° | 205.9 | 205.9 | 205.4 | 205.3 | 205.3 | 204.9 | 204.2 | 204.1  | 204.1  | 203.7  | 203.4  |
| 15°   | 214.4 | 214.4 | 214.0 | 213.4 | 213.5 | 213.0 | 212.5 | 212.2  | 212.2  | 211.8  | 211.5  |
| 17.5° | 222.1 | 222.1 | 221.6 | 221.0 | 220.6 | 220.5 | 219.8 | 219.4  | 219.4  | 219.1  | 218.8  |
| 20°   | 229.9 | 230.2 | 229.4 | 228.7 | 228.0 | 227.4 | 226.7 | 226.4  | 225.9  | 226.0  | 225.9  |
| 22.5° | 239.2 | 239.4 | 238.0 | 237.2 | 235.8 | 235.0 | 234.0 | 233.6  | 232.9  | 232.9  | 233.3  |
| 25°   | 251.0 | 250.8 | 249.3 | 247.8 | 246.3 | 244.6 | 243.1 | 242.7  | 242.1  | 241.9  | 242.1  |
| 27.5° | 266.5 | 266.4 | 264.5 | 262.5 | 260.5 | 257.9 | 256.1 | 255.1  | 254.5  | 253.9  | 254.2  |
| 30°   | 285.6 | 285.9 | 283.7 | 281.4 | 278.9 | 275.8 | 273.5 | 272.1  | 271.1  | 270.4  | 270.8  |
| 32.5° | 324.4 | 324.1 | 320.7 | 315.7 | 310.3 | 303.2 | 297.4 | 295.1  | 293.2  | 292.5  | 293.0  |
| 35°   | 363.4 | 363.1 | 361.7 | 360.2 | 358.9 | 354.3 | 350.1 | 345.2  | 341.1  | 338.6  | 339.3  |
| 37.5° | 381.8 | 381.8 | 380.8 | 380.5 | 380.5 | 383.2 | 386.5 | 392.6  | 397.4  | 397.7  | 396.2  |
| 40°   | 410.5 | 410.5 | 408.8 | 408.0 | 407.5 | 408.3 | 410.5 | 412.7  | 415.1  | 415.6  | 413.9  |
| 42.5° | 444.3 | 442.8 | 441.6 | 439.9 | 439.7 | 440.6 | 442.9 | 445.6  | 448.0  | 450.0  | 446.5  |
| 45°   | 480.7 | 479.4 | 478.2 | 477.2 | 477.9 | 480.1 | 483.3 | 488.0  | 491.4  | 494.4  | 491.5  |
| 47.5° | 521.4 | 518.5 | 519.7 | 518.7 | 520.4 | 524.8 | 530.5 | 537.6  | 541.2  | 546.6  | 542.0  |
| 50°   | 572.1 | 572.7 | 572.1 | 572.1 | 574.1 | 579.8 | 588.3 | 597.9  | 604.0  | 607.0  | 604.3  |
| 52.5° | 647.3 | 645.3 | 640.8 | 642.1 | 644.8 | 653.9 | 664.9 | 678.4  | 686.2  | 693.4  | 685.0  |
| 55°   | 729.7 | 730.1 | 729.4 | 731.2 | 736.5 | 745.8 | 759.6 | 780.0  | 789.8  | 802.5  | 792.3  |
| 57.5° | 797.9 | 800.3 | 804.3 | 809.9 | 821.2 | 836.7 | 863.9 | 895.1  | 921.1  | 934.8  | 918.9  |
| 60°   | 820.0 | 822.4 | 832.2 | 847.7 | 869.0 | 900.7 | 944.8 | 998.3  | 1045.0 | 1069.3 | 1048.6 |
| 62.5° | 777.5 | 781.9 | 796.4 | 817.8 | 852.9 | 902.6 | 968.1 | 1047.2 | 1119.3 | 1152.6 | 1127.4 |
| 63°   | 763.6 | 768.5 | 783.4 | 805.2 | 841.0 | 892.8 | 963.5 | 1048.2 | 1124.5 | 1159.6 | 1132.5 |
| 65°   | 702.2 | 705.4 | 721.1 | 745.9 | 785.8 | 839.8 | 918.4 | 1018.7 | 1105.6 | 1146.3 | 1117.4 |
| 67.5° | 605.5 | 609.7 | 624.0 | 645.5 | 684.1 | 741.4 | 818.7 | 918.6  | 1004.2 | 1036.8 | 1012.1 |
| 70°   | 485.6 | 490.4 | 502.2 | 522.1 | 552.5 | 605.5 | 671.6 | 765.0  | 829.3  | 854.8  | 828.5  |
| 72.5° | 341.3 | 343.3 | 351.9 | 372.9 | 395.7 | 437.9 | 490.4 | 562.9  | 624.7  | 641.4  | 616.1  |
| 75°   | 144.5 | 144.7 | 156.0 | 169.3 | 197.8 | 239.9 | 285.6 | 348.1  | 403.6  | 429.6  | 397.5  |
| 77.5° | 46.3  | 46.8  | 50.0  | 54.9  | 64.3  | 83.0  | 116.8 | 151.1  | 202.1  | 226.7  | 196.6  |
| 80°   | 38.7  | 39.3  | 40.7  | 41.7  | 42.4  | 43.4  | 47.3  | 52.7   | 66.3   | 77.1   | 62.3   |
| 82.5° | 33.3  | 34.4  | 37.5  | 38.7  | 39.3  | 39.7  | 40.2  | 40.0   | 39.2   | 38.8   | 39.0   |
| 85°   | 25.3  | 28.2  | 31.6  | 34.3  | 34.6  | 34.8  | 35.8  | 36.1   | 33.4   | 30.7   | 33.4   |
| 87.5° | 11.0  | 14.2  | 21.8  | 24.1  | 23.6  | 21.9  | 23.5  | 24.8   | 22.6   | 16.5   | 22.1   |
| 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):**

|       | 55°    | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 176.1  | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 | 176.1 |
| 2.5°  | 176.7  | 177.1 | 177.1 | 177.1 | 177.1 | 177.2 | 177.4 | 177.2 |
| 5°    | 180.4  | 180.8 | 180.6 | 180.8 | 180.8 | 181.0 | 181.1 | 181.0 |
| 7.5°  | 186.9  | 186.9 | 186.9 | 187.2 | 187.2 | 187.5 | 187.5 | 187.5 |
| 10°   | 194.8  | 194.6 | 194.6 | 195.0 | 195.3 | 195.5 | 195.8 | 195.6 |
| 12.5° | 203.4  | 203.1 | 203.2 | 203.6 | 203.9 | 204.1 | 204.4 | 204.2 |
| 15°   | 211.2  | 211.0 | 211.0 | 211.5 | 211.7 | 211.8 | 212.5 | 212.5 |
| 17.5° | 218.6  | 218.6 | 218.6 | 219.3 | 219.4 | 220.1 | 220.6 | 220.6 |
| 20°   | 226.0  | 226.0 | 226.0 | 226.7 | 227.2 | 228.2 | 229.2 | 229.1 |
| 22.5° | 233.6  | 233.8 | 234.1 | 234.8 | 236.0 | 237.5 | 238.3 | 238.3 |
| 25°   | 243.1  | 243.7 | 244.4 | 245.4 | 247.1 | 249.1 | 250.5 | 251.0 |
| 27.5° | 255.2  | 256.7 | 258.4 | 259.9 | 261.8 | 264.3 | 266.2 | 266.5 |
| 30°   | 271.8  | 274.0 | 276.7 | 278.7 | 281.0 | 283.9 | 286.1 | 287.3 |
| 32.5° | 295.2  | 300.6 | 304.2 | 311.4 | 315.8 | 320.7 | 324.8 | 326.5 |
| 35°   | 343.5  | 348.9 | 353.6 | 358.5 | 359.5 | 361.2 | 363.4 | 363.9 |
| 37.5° | 391.3  | 386.9 | 382.7 | 382.5 | 381.3 | 381.7 | 382.3 | 383.2 |
| 40°   | 412.0  | 410.7 | 408.5 | 409.3 | 409.5 | 409.5 | 410.9 | 411.0 |
| 42.5° | 445.5  | 442.3 | 439.7 | 441.7 | 442.1 | 442.4 | 443.8 | 445.3 |
| 45°   | 488.0  | 483.1 | 479.9 | 478.7 | 479.9 | 479.6 | 481.4 | 481.8 |
| 47.5° | 536.6  | 530.2 | 522.9 | 520.6 | 519.9 | 518.4 | 521.6 | 521.2 |
| 50°   | 596.2  | 585.9 | 577.1 | 573.7 | 572.1 | 571.2 | 572.1 | 572.1 |
| 52.5° | 671.6  | 661.4 | 649.4 | 645.5 | 644.1 | 646.0 | 643.3 | 646.2 |
| 55°   | 775.5  | 758.7 | 742.4 | 737.1 | 736.3 | 735.5 | 735.8 | 737.0 |
| 57.5° | 892.3  | 862.6 | 840.6 | 827.8 | 819.5 | 815.5 | 811.1 | 810.4 |
| 60°   | 1005.0 | 951.0 | 909.3 | 881.0 | 860.9 | 845.7 | 837.9 | 835.2 |
| 62.5° | 1059.4 | 980.4 | 915.6 | 867.3 | 837.4 | 812.6 | 798.9 | 795.4 |
| 63°   | 1060.9 | 976.7 | 908.0 | 857.0 | 822.2 | 799.9 | 785.4 | 781.7 |
| 65°   | 1032.7 | 936.8 | 856.3 | 800.3 | 763.5 | 740.2 | 722.3 | 718.4 |
| 67.5° | 930.1  | 837.1 | 754.7 | 697.8 | 658.0 | 639.2 | 619.5 | 619.0 |
| 70°   | 763.3  | 680.3 | 610.9 | 558.6 | 525.3 | 506.7 | 486.6 | 487.2 |
| 72.5° | 558.0  | 484.3 | 436.5 | 395.7 | 360.6 | 343.0 | 324.1 | 325.9 |
| 75°   | 335.9  | 270.1 | 227.0 | 191.6 | 155.5 | 133.9 | 119.3 | 111.1 |
| 77.5° | 143.6  | 98.2  | 70.6  | 56.0  | 47.3  | 43.7  | 42.0  | 41.5  |
| 80°   | 50.0   | 44.2  | 41.7  | 41.0  | 40.5  | 39.8  | 38.7  | 37.5  |
| 82.5° | 40.5   | 40.5  | 39.2  | 39.0  | 37.5  | 36.3  | 33.3  | 31.7  |
| 85°   | 36.0   | 35.3  | 34.1  | 33.6  | 33.3  | 30.7  | 26.8  | 24.8  |
| 87.5° | 23.8   | 22.1  | 21.1  | 21.6  | 20.9  | 18.7  | 11.5  | 9.1   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)