

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: P163636

Luminaire Tested: **LDRV-SL3-E04-E-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P163636  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRV-SL3-E04-E-7030-HSS  
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (84) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6144.2 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

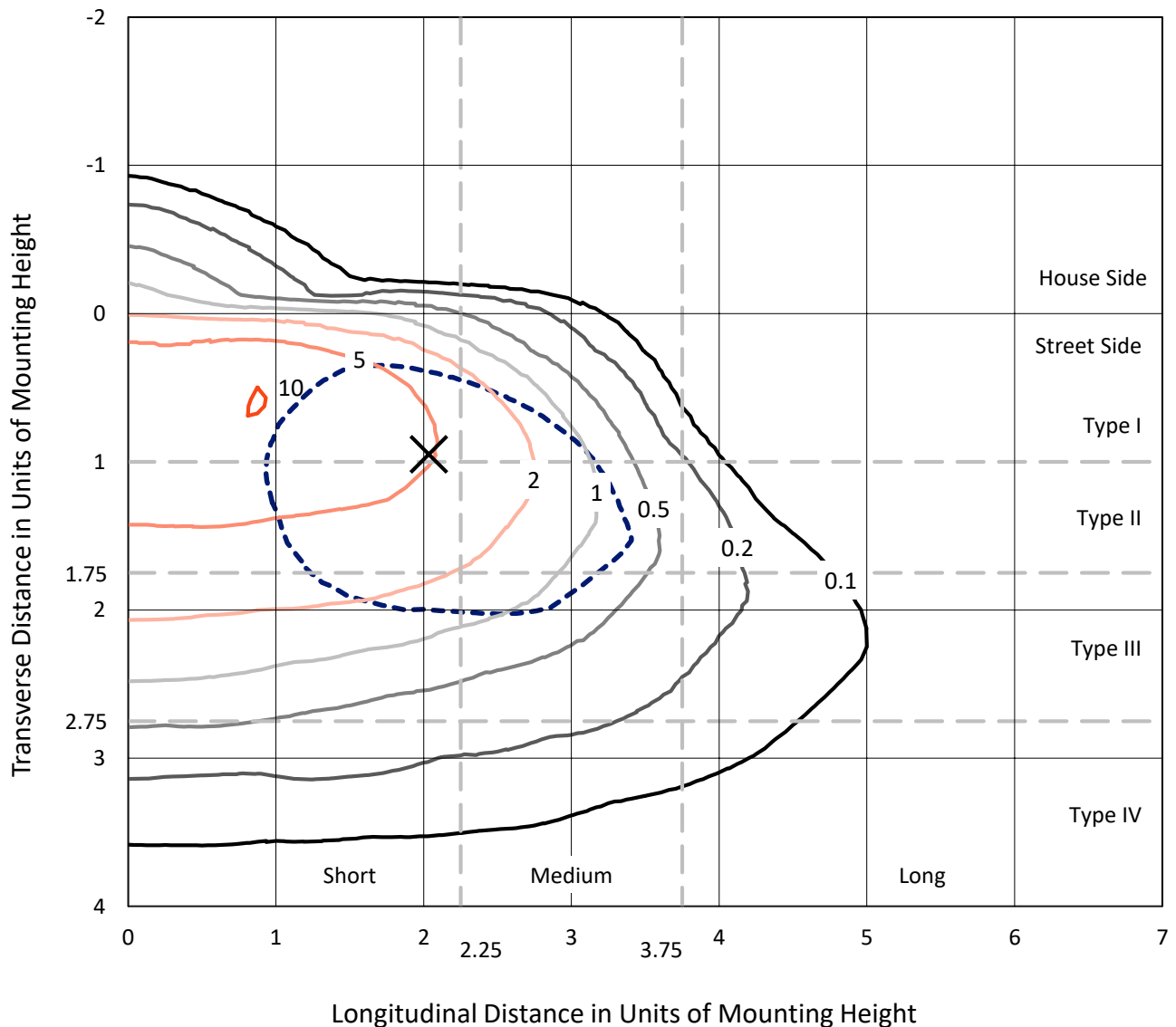
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

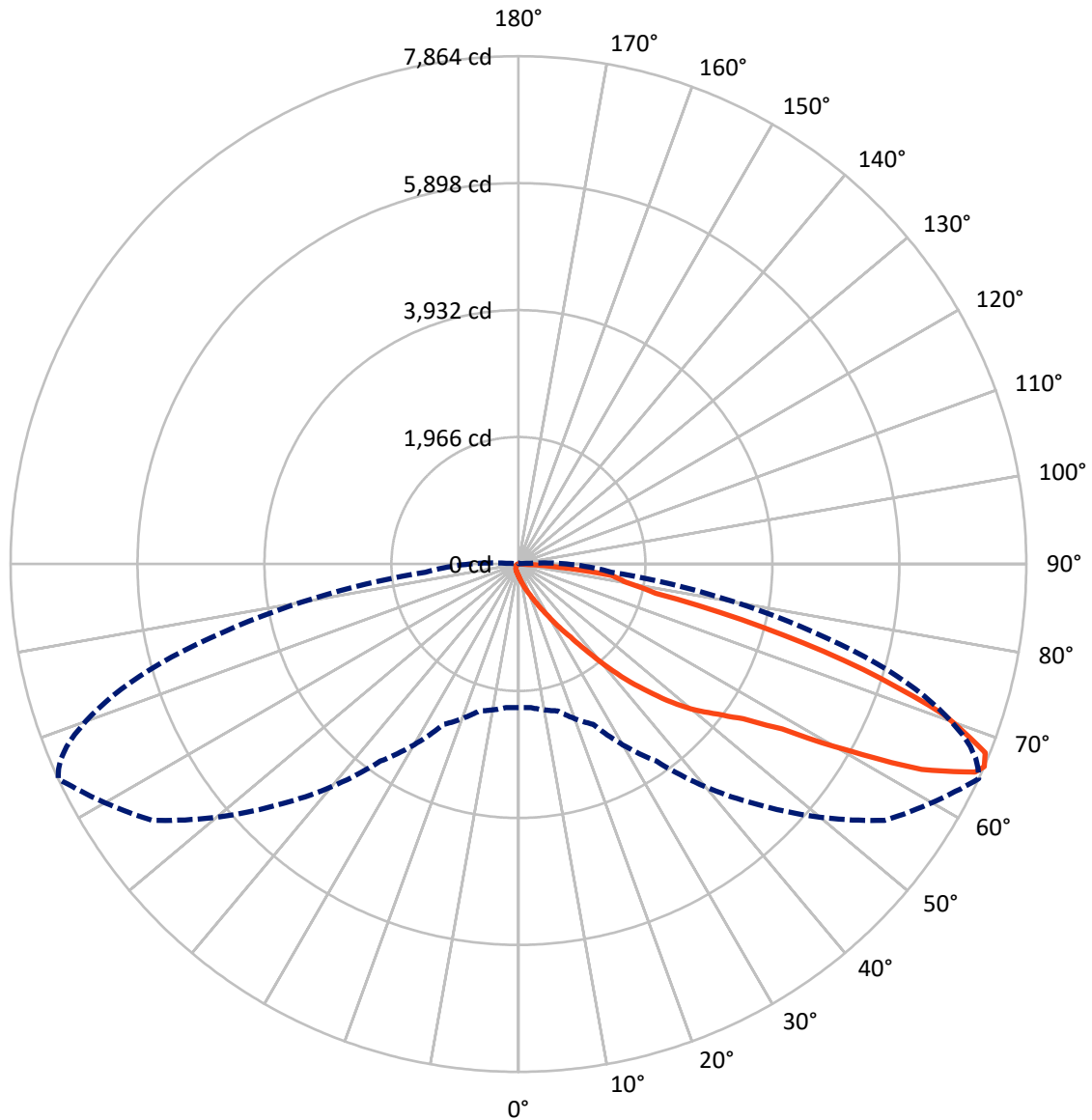
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 133.1    | 0.0    | 133.1  |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 6011.1   | 0.0    | 6011.1 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 6144.2   | 0.0    | 6144.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.8   | 0.3       |
| 10°-20°   | 88.0   | 1.4       |
| 20°-30°   | 189.9  | 3.1       |
| 30°-40°   | 405.5  | 6.6       |
| 40°-50°   | 896.7  | 14.6      |
| 50°-60°   | 1519.6 | 24.7      |
| 60°-70°   | 2027.8 | 33.0      |
| 70°-80°   | 893.2  | 14.5      |
| 80°-90°   | 102.9  | 1.7       |
| 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°    | 6144.2 | 100.0     |
| 0°-180°   | 6144.2 | 100.0     |



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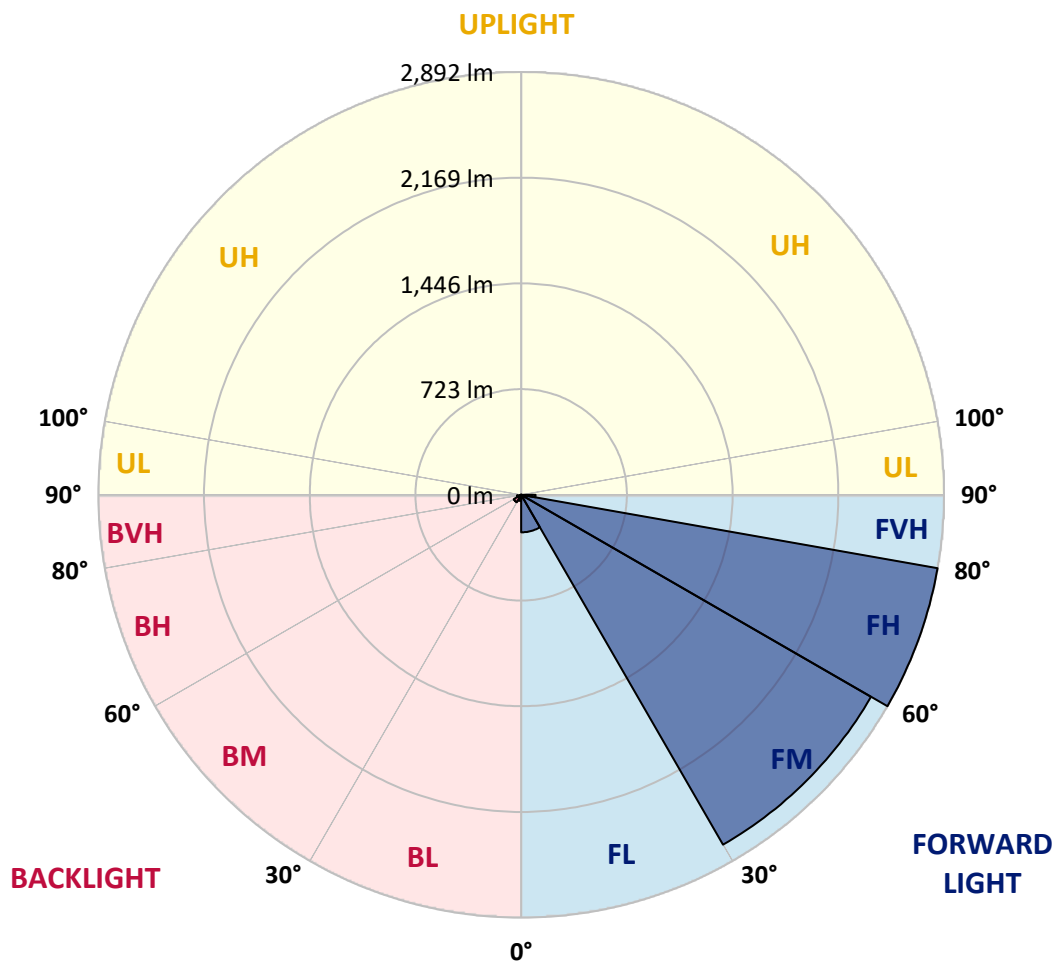
CATALOG NUMBER: LDRV-SL3-E04-E-7030-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 256.6  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 2763.3 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 2892.4 | 47.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 98.8   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 42.0   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 58.5   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 28.5   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 4.1    | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  |
| 2.5°  | 233.9  | 232.7  | 228.0  | 228.0  | 220.9  | 216.1  | 210.3  | 204.4  | 204.4  | 203.2  | 202.0  |
| 5°    | 309.5  | 302.4  | 301.2  | 288.3  | 277.6  | 262.2  | 248.1  | 229.1  | 226.8  | 224.5  | 223.2  |
| 7.5°  | 393.3  | 392.2  | 381.6  | 366.2  | 345.0  | 316.6  | 288.3  | 257.5  | 252.8  | 250.4  | 245.7  |
| 10°   | 502.1  | 496.1  | 482.0  | 455.9  | 424.1  | 386.2  | 340.2  | 291.8  | 285.8  | 281.2  | 278.8  |
| 12.5° | 606.0  | 595.4  | 587.1  | 554.0  | 513.8  | 458.4  | 402.8  | 333.1  | 328.4  | 322.4  | 313.0  |
| 15°   | 702.8  | 693.4  | 679.2  | 650.9  | 606.0  | 536.3  | 471.3  | 386.2  | 374.5  | 366.2  | 359.1  |
| 17.5° | 778.5  | 772.5  | 756.0  | 724.1  | 675.7  | 614.3  | 536.3  | 440.6  | 431.2  | 420.5  | 407.5  |
| 20°   | 850.5  | 842.3  | 816.2  | 772.5  | 720.6  | 673.3  | 613.0  | 511.5  | 498.5  | 485.5  | 471.3  |
| 22.5° | 919.0  | 910.7  | 868.2  | 796.1  | 740.6  | 720.6  | 699.3  | 591.8  | 571.8  | 561.1  | 546.9  |
| 25°   | 1014.7 | 997.0  | 930.8  | 816.2  | 741.9  | 757.2  | 793.8  | 695.8  | 676.8  | 661.5  | 639.1  |
| 27.5° | 1143.4 | 1119.8 | 1015.9 | 845.8  | 746.5  | 797.3  | 902.5  | 822.2  | 802.1  | 784.4  | 759.5  |
| 30°   | 1288.8 | 1273.4 | 1149.4 | 916.6  | 780.8  | 856.4  | 1024.1 | 982.8  | 959.2  | 937.9  | 908.4  |
| 32.5° | 1435.2 | 1413.9 | 1291.1 | 1051.3 | 872.9  | 971.0  | 1176.5 | 1169.5 | 1138.8 | 1118.7 | 1086.7 |
| 35°   | 1563.9 | 1553.4 | 1462.4 | 1272.2 | 1083.2 | 1171.8 | 1379.7 | 1388.0 | 1360.8 | 1339.6 | 1304.1 |
| 37.5° | 1651.4 | 1651.4 | 1633.7 | 1509.7 | 1417.5 | 1483.6 | 1678.6 | 1679.8 | 1652.6 | 1604.1 | 1586.5 |
| 40°   | 1696.3 | 1709.3 | 1773.1 | 1796.7 | 1792.0 | 1877.0 | 2070.7 | 2049.5 | 2027.1 | 2002.2 | 1943.2 |
| 42.5° | 1788.4 | 1800.3 | 1936.1 | 2099.1 | 2205.4 | 2317.6 | 2451.1 | 2444.0 | 2416.9 | 2371.9 | 2317.6 |
| 45°   | 1944.3 | 1959.7 | 2121.5 | 2380.2 | 2598.7 | 2758.2 | 2843.3 | 2810.2 | 2783.0 | 2740.5 | 2712.1 |
| 47.5° | 2142.8 | 2172.3 | 2355.4 | 2675.5 | 2938.9 | 3202.4 | 3291.0 | 3203.6 | 3179.9 | 3146.9 | 3100.8 |
| 50°   | 2354.3 | 2382.6 | 2577.5 | 2943.7 | 3241.4 | 3555.6 | 3703.2 | 3555.6 | 3521.3 | 3510.7 | 3458.7 |
| 52.5° | 2537.4 | 2561.0 | 2748.7 | 3150.4 | 3472.9 | 3841.4 | 4056.4 | 3861.5 | 3836.7 | 3801.3 | 3763.4 |
| 55°   | 2646.0 | 2664.9 | 2840.9 | 3249.6 | 3630.0 | 4099.0 | 4397.8 | 4226.5 | 4189.9 | 4175.8 | 4121.4 |
| 57.5° | 2682.6 | 2701.5 | 2859.8 | 3262.6 | 3715.1 | 4334.0 | 4812.4 | 4818.3 | 4774.6 | 4723.8 | 4707.3 |
| 60°   | 2682.6 | 2703.9 | 2837.4 | 3230.7 | 3797.7 | 4584.4 | 5365.2 | 5857.9 | 5763.3 | 5753.9 | 5693.7 |
| 62.5° | 2571.6 | 2591.6 | 2726.3 | 3132.7 | 3908.8 | 4922.3 | 6135.4 | 7004.8 | 6977.7 | 6916.3 | 6817.0 |
| 65°   | 2330.7 | 2342.4 | 2474.7 | 2882.2 | 3866.2 | 5233.0 | 6802.9 | 7767.9 | 7724.2 | 7603.8 | 7476.2 |
| 66°   | 2221.9 | 2231.4 | 2355.4 | 2739.3 | 3726.8 | 5275.5 | 6921.0 | 7863.6 | 7791.5 | 7690.0 | 7545.9 |
| 67.5° | 2064.8 | 2081.3 | 2168.8 | 2473.6 | 3392.5 | 5127.8 | 6846.5 | 7796.3 | 7733.7 | 7610.8 | 7466.7 |
| 70°   | 1378.5 | 1366.7 | 1675.0 | 1898.3 | 2584.6 | 4178.1 | 6142.5 | 7000.1 | 7001.3 | 6943.4 | 6885.6 |
| 72.5° | 654.4  | 661.5  | 751.3  | 1168.3 | 1691.5 | 2791.3 | 4889.2 | 5587.4 | 5667.7 | 5563.7 | 5491.6 |
| 75°   | 470.1  | 480.8  | 535.1  | 714.7  | 1008.8 | 1675.0 | 3169.3 | 3907.6 | 3909.9 | 3725.7 | 3561.5 |
| 77.5° | 137.0  | 142.9  | 200.8  | 440.6  | 756.0  | 1130.4 | 1820.3 | 2172.3 | 2121.5 | 1989.2 | 1865.2 |
| 80°   | 56.7   | 56.7   | 59.0   | 140.6  | 303.6  | 767.8  | 1273.4 | 1672.7 | 1666.8 | 1616.0 | 1542.7 |
| 82.5° | 21.3   | 22.4   | 28.4   | 57.9   | 72.0   | 189.0  | 849.3  | 1451.8 | 1448.2 | 1376.2 | 1324.2 |
| 85°   | 2.3    | 2.3    | 7.1    | 24.8   | 27.2   | 35.4   | 170.1  | 640.2  | 636.7  | 640.2  | 561.1  |
| 87.5° | 0.0    | 0.0    | 1.2    | 2.3    | 3.5    | 4.7    | 7.1    | 24.8   | 27.2   | 26.0   | 23.6   |
| 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):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  |
| 2.5°  | 202.0  | 199.6  | 199.6  | 198.5  | 198.5  | 198.5  | 197.3  | 196.1  | 196.1  | 194.9  | 193.7  |
| 5°    | 220.9  | 218.5  | 217.4  | 215.0  | 213.8  | 212.6  | 210.3  | 209.0  | 206.7  | 205.5  | 204.4  |
| 7.5°  | 243.3  | 238.6  | 237.4  | 233.9  | 230.3  | 228.0  | 225.6  | 222.1  | 219.7  | 215.0  | 213.8  |
| 10°   | 271.7  | 265.7  | 261.1  | 256.3  | 252.8  | 246.9  | 243.3  | 238.6  | 233.9  | 230.3  | 226.8  |
| 12.5° | 308.3  | 300.0  | 292.9  | 288.3  | 279.9  | 272.8  | 265.7  | 262.2  | 252.8  | 248.1  | 242.1  |
| 15°   | 348.5  | 339.0  | 330.8  | 321.3  | 315.4  | 303.6  | 294.1  | 283.5  | 278.8  | 270.5  | 261.1  |
| 17.5° | 400.4  | 385.1  | 372.1  | 362.6  | 350.8  | 339.0  | 328.4  | 317.8  | 303.6  | 294.1  | 282.3  |
| 20°   | 455.9  | 442.9  | 425.3  | 408.7  | 394.6  | 380.4  | 365.0  | 350.8  | 337.9  | 322.4  | 308.3  |
| 22.5° | 526.8  | 508.0  | 486.7  | 470.1  | 451.3  | 435.9  | 414.6  | 395.7  | 374.5  | 354.4  | 337.9  |
| 25°   | 616.6  | 591.8  | 571.8  | 548.1  | 525.7  | 502.1  | 476.0  | 452.4  | 425.3  | 406.3  | 378.0  |
| 27.5° | 727.7  | 704.0  | 676.8  | 646.1  | 623.7  | 588.3  | 554.0  | 524.5  | 492.6  | 463.0  | 431.2  |
| 30°   | 869.4  | 835.2  | 806.8  | 777.3  | 732.4  | 698.1  | 658.0  | 617.8  | 574.1  | 544.6  | 496.1  |
| 32.5° | 1039.5 | 1002.9 | 960.3  | 917.8  | 876.5  | 828.1  | 778.5  | 728.9  | 680.4  | 626.0  | 576.4  |
| 35°   | 1247.4 | 1203.7 | 1155.3 | 1109.2 | 1045.4 | 993.4  | 930.8  | 862.3  | 808.0  | 745.4  | 682.7  |
| 37.5° | 1522.7 | 1450.5 | 1408.0 | 1359.6 | 1273.4 | 1202.5 | 1132.8 | 1064.3 | 968.7  | 902.5  | 813.9  |
| 40°   | 1867.5 | 1825.0 | 1755.3 | 1677.3 | 1599.4 | 1506.1 | 1411.6 | 1320.6 | 1209.6 | 1117.5 | 1014.7 |
| 42.5° | 2272.7 | 2210.2 | 2139.3 | 2027.1 | 1947.9 | 1838.0 | 1730.5 | 1610.1 | 1474.2 | 1356.1 | 1235.6 |
| 45°   | 2653.1 | 2578.6 | 2524.4 | 2412.1 | 2329.4 | 2199.5 | 2069.6 | 1942.0 | 1784.9 | 1632.5 | 1493.1 |
| 47.5° | 3064.2 | 3002.7 | 2913.0 | 2822.0 | 2738.2 | 2591.6 | 2451.1 | 2296.4 | 2131.0 | 1950.3 | 1769.5 |
| 50°   | 3425.6 | 3377.2 | 3315.8 | 3205.9 | 3112.6 | 2989.7 | 2824.4 | 2655.4 | 2446.4 | 2266.9 | 2061.3 |
| 52.5° | 3732.8 | 3695.0 | 3608.8 | 3530.8 | 3446.9 | 3331.2 | 3183.5 | 3021.7 | 2796.0 | 2598.7 | 2364.8 |
| 55°   | 4095.4 | 4068.2 | 3992.7 | 3944.2 | 3869.8 | 3758.8 | 3620.5 | 3470.5 | 3231.9 | 3016.9 | 2752.3 |
| 57.5° | 4689.6 | 4668.3 | 4602.2 | 4582.1 | 4508.9 | 4412.0 | 4241.9 | 4081.2 | 3802.5 | 3535.5 | 3233.1 |
| 60°   | 5673.6 | 5631.1 | 5534.2 | 5484.6 | 5329.8 | 5199.9 | 4979.0 | 4758.1 | 4421.4 | 4081.2 | 3717.4 |
| 62.5° | 6727.2 | 6607.9 | 6423.6 | 6265.4 | 6045.6 | 5820.0 | 5524.7 | 5186.9 | 4792.3 | 4388.4 | 3970.2 |
| 65°   | 7295.4 | 7092.3 | 6859.6 | 6607.9 | 6323.2 | 5991.3 | 5619.2 | 5214.1 | 4790.0 | 4363.5 | 3921.8 |
| 66°   | 7360.4 | 7131.2 | 6884.3 | 6604.4 | 6287.8 | 5934.6 | 5556.6 | 5131.3 | 4690.7 | 4275.0 | 3833.1 |
| 67.5° | 7278.9 | 7039.1 | 6778.0 | 6467.4 | 6124.8 | 5758.6 | 5361.7 | 4919.9 | 4495.9 | 4074.1 | 3644.2 |
| 70°   | 6708.4 | 6469.7 | 6237.0 | 5909.8 | 5544.8 | 5176.3 | 4800.6 | 4306.8 | 3905.2 | 3517.8 | 3135.1 |
| 72.5° | 5357.0 | 5195.1 | 4964.8 | 4684.8 | 4329.3 | 3896.9 | 3583.9 | 3142.1 | 2793.7 | 2418.0 | 2121.5 |
| 75°   | 3347.7 | 3119.7 | 2835.0 | 2478.2 | 2206.6 | 1855.8 | 1672.7 | 1337.1 | 1138.8 | 965.1  | 797.3  |
| 77.5° | 1711.6 | 1540.3 | 1340.7 | 1139.9 | 947.4  | 756.0  | 584.7  | 413.4  | 278.8  | 193.7  | 144.1  |
| 80°   | 1413.9 | 1262.8 | 1097.4 | 914.3  | 744.2  | 577.6  | 415.8  | 283.5  | 180.7  | 118.2  | 92.1   |
| 82.5° | 1168.3 | 1040.7 | 893.0  | 722.9  | 575.3  | 453.6  | 315.4  | 205.5  | 127.6  | 82.7   | 65.0   |
| 85°   | 497.3  | 451.3  | 348.5  | 276.4  | 207.9  | 153.6  | 107.5  | 72.0   | 50.8   | 41.4   | 37.8   |
| 87.5° | 21.3   | 23.6   | 22.4   | 17.7   | 13.0   | 13.0   | 11.8   | 9.4    | 9.4    | 9.4    | 9.4    |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 95°   | 105°  | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4  | 185.4 | 185.4 | 185.4 | 185.4 | 185.4 |
| 2.5°  | 193.7  | 192.5  | 191.4  | 191.4  | 190.2  | 189.0  | 181.9 | 176.0 | 168.9 | 164.2 | 159.4 |
| 5°    | 202.0  | 200.8  | 198.5  | 197.3  | 194.9  | 193.7  | 178.4 | 165.4 | 154.8 | 146.5 | 140.6 |
| 7.5°  | 210.3  | 209.0  | 205.5  | 202.0  | 200.8  | 198.5  | 173.6 | 157.1 | 142.9 | 133.5 | 127.6 |
| 10°   | 220.9  | 217.4  | 213.8  | 209.0  | 205.5  | 202.0  | 168.9 | 147.7 | 132.3 | 124.0 | 118.2 |
| 12.5° | 236.2  | 230.3  | 224.5  | 218.5  | 213.8  | 207.9  | 166.5 | 139.4 | 124.0 | 114.6 | 108.7 |
| 15°   | 254.0  | 245.7  | 238.6  | 231.6  | 223.2  | 217.4  | 161.8 | 132.3 | 116.9 | 107.5 | 100.4 |
| 17.5° | 270.5  | 261.1  | 250.4  | 239.8  | 231.6  | 223.2  | 157.1 | 125.2 | 109.8 | 100.4 | 93.3  |
| 20°   | 294.1  | 279.9  | 267.0  | 254.0  | 242.1  | 231.6  | 150.0 | 118.2 | 104.0 | 93.3  | 86.2  |
| 22.5° | 320.1  | 303.6  | 287.0  | 269.3  | 254.0  | 239.8  | 144.1 | 112.2 | 98.1  | 87.4  | 79.1  |
| 25°   | 353.2  | 333.1  | 310.7  | 288.3  | 270.5  | 251.6  | 138.2 | 106.3 | 92.1  | 81.5  | 73.2  |
| 27.5° | 399.2  | 370.9  | 346.1  | 317.8  | 290.6  | 269.3  | 133.5 | 101.6 | 86.2  | 75.6  | 67.3  |
| 30°   | 461.9  | 420.5  | 381.6  | 350.8  | 318.9  | 288.3  | 128.7 | 95.6  | 81.5  | 69.7  | 60.2  |
| 32.5° | 531.6  | 483.1  | 438.3  | 392.2  | 352.0  | 316.6  | 124.0 | 91.0  | 75.6  | 63.8  | 55.5  |
| 35°   | 617.8  | 556.3  | 496.1  | 442.9  | 394.6  | 347.3  | 119.3 | 86.2  | 70.9  | 57.9  | 49.6  |
| 37.5° | 741.9  | 665.1  | 585.9  | 517.4  | 454.8  | 392.2  | 115.7 | 81.5  | 65.0  | 52.0  | 43.7  |
| 40°   | 912.0  | 812.7  | 715.8  | 622.5  | 541.0  | 463.0  | 111.1 | 76.8  | 60.2  | 47.3  | 38.9  |
| 42.5° | 1096.2 | 975.8  | 848.2  | 743.0  | 630.8  | 532.7  | 106.3 | 72.0  | 55.5  | 42.5  | 34.3  |
| 45°   | 1325.4 | 1175.4 | 1020.6 | 877.7  | 740.6  | 614.3  | 101.6 | 67.3  | 49.6  | 37.8  | 29.5  |
| 47.5° | 1575.8 | 1384.4 | 1209.6 | 1030.0 | 867.0  | 715.8  | 95.6  | 63.8  | 44.9  | 33.1  | 26.0  |
| 50°   | 1833.3 | 1631.3 | 1410.4 | 1206.1 | 1012.4 | 817.4  | 89.8  | 57.9  | 40.2  | 29.5  | 21.3  |
| 52.5° | 2110.9 | 1872.3 | 1646.7 | 1392.7 | 1167.1 | 950.9  | 83.9  | 53.1  | 36.6  | 26.0  | 17.7  |
| 55°   | 2464.1 | 2197.2 | 1932.5 | 1647.8 | 1376.2 | 1105.7 | 78.0  | 47.3  | 31.9  | 22.4  | 14.2  |
| 57.5° | 2908.3 | 2591.6 | 2266.9 | 1945.5 | 1616.0 | 1308.8 | 73.2  | 41.4  | 27.2  | 18.9  | 11.8  |
| 60°   | 3327.6 | 2957.9 | 2564.5 | 2194.7 | 1822.7 | 1464.7 | 66.1  | 36.6  | 23.6  | 15.3  | 11.8  |
| 62.5° | 3545.0 | 3123.2 | 2699.1 | 2291.6 | 1894.7 | 1520.3 | 59.0  | 30.7  | 20.1  | 13.0  | 10.6  |
| 65°   | 3491.8 | 3061.8 | 2650.8 | 2239.7 | 1851.0 | 1484.8 | 52.0  | 27.2  | 17.7  | 11.8  | 10.6  |
| 66°   | 3415.0 | 2989.7 | 2576.3 | 2185.3 | 1814.4 | 1447.0 | 48.4  | 26.0  | 16.5  | 11.8  | 9.4   |
| 67.5° | 3247.3 | 2836.2 | 2441.6 | 2077.8 | 1714.0 | 1375.0 | 43.7  | 23.6  | 15.3  | 10.6  | 9.4   |
| 70°   | 2773.6 | 2400.3 | 2084.9 | 1761.2 | 1464.7 | 1158.8 | 35.4  | 20.1  | 13.0  | 9.4   | 9.4   |
| 72.5° | 1835.7 | 1581.7 | 1371.4 | 1180.0 | 986.3  | 765.5  | 29.5  | 16.5  | 10.6  | 9.4   | 8.3   |
| 75°   | 692.2  | 626.0  | 537.5  | 483.1  | 421.7  | 369.7  | 23.6  | 10.6  | 8.3   | 8.3   | 8.3   |
| 77.5° | 122.8  | 113.4  | 100.4  | 92.1   | 85.1   | 78.0   | 18.9  | 7.1   | 7.1   | 8.3   | 8.3   |
| 80°   | 82.7   | 76.8   | 69.7   | 63.8   | 59.0   | 53.1   | 13.0  | 5.9   | 7.1   | 7.1   | 8.3   |
| 82.5° | 59.0   | 55.5   | 52.0   | 47.3   | 43.7   | 38.9   | 8.3   | 5.9   | 7.1   | 7.1   | 7.1   |
| 85°   | 35.4   | 33.1   | 30.7   | 28.4   | 24.8   | 23.6   | 5.9   | 5.9   | 5.9   | 7.1   | 7.1   |
| 87.5° | 9.4    | 8.3    | 9.4    | 9.4    | 7.1    | 8.3    | 4.7   | 4.7   | 4.7   | 5.9   | 5.9   |
| 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):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 185.4 | 185.4 | 185.4 | 185.4 | 185.4 |
| 2.5°  | 157.1 | 157.1 | 154.8 | 158.3 | 158.3 |
| 5°    | 135.8 | 135.8 | 134.7 | 135.8 | 135.8 |
| 7.5°  | 124.0 | 122.8 | 122.8 | 122.8 | 124.0 |
| 10°   | 113.4 | 112.2 | 112.2 | 112.2 | 112.2 |
| 12.5° | 104.0 | 102.7 | 101.6 | 102.7 | 102.7 |
| 15°   | 95.6  | 93.3  | 93.3  | 93.3  | 93.3  |
| 17.5° | 88.6  | 86.2  | 85.1  | 85.1  | 85.1  |
| 20°   | 81.5  | 78.0  | 78.0  | 78.0  | 78.0  |
| 22.5° | 74.4  | 70.9  | 70.9  | 70.9  | 70.9  |
| 25°   | 67.3  | 63.8  | 63.8  | 63.8  | 63.8  |
| 27.5° | 61.5  | 57.9  | 57.9  | 57.9  | 57.9  |
| 30°   | 54.4  | 52.0  | 52.0  | 53.1  | 52.0  |
| 32.5° | 49.6  | 46.0  | 46.0  | 47.3  | 47.3  |
| 35°   | 43.7  | 41.4  | 41.4  | 41.4  | 41.4  |
| 37.5° | 37.8  | 35.4  | 35.4  | 35.4  | 35.4  |
| 40°   | 33.1  | 30.7  | 29.5  | 30.7  | 30.7  |
| 42.5° | 28.4  | 26.0  | 24.8  | 24.8  | 24.8  |
| 45°   | 24.8  | 21.3  | 20.1  | 21.3  | 21.3  |
| 47.5° | 20.1  | 17.7  | 17.7  | 18.9  | 18.9  |
| 50°   | 15.3  | 15.3  | 16.5  | 18.9  | 18.9  |
| 52.5° | 14.2  | 14.2  | 16.5  | 18.9  | 18.9  |
| 55°   | 13.0  | 14.2  | 16.5  | 17.7  | 18.9  |
| 57.5° | 11.8  | 14.2  | 16.5  | 17.7  | 17.7  |
| 60°   | 11.8  | 13.0  | 15.3  | 17.7  | 17.7  |
| 62.5° | 10.6  | 11.8  | 14.2  | 16.5  | 16.5  |
| 65°   | 10.6  | 11.8  | 14.2  | 16.5  | 16.5  |
| 66°   | 10.6  | 11.8  | 14.2  | 16.5  | 16.5  |
| 67.5° | 10.6  | 11.8  | 14.2  | 16.5  | 16.5  |
| 70°   | 10.6  | 11.8  | 14.2  | 15.3  | 15.3  |
| 72.5° | 9.4   | 10.6  | 13.0  | 15.3  | 15.3  |
| 75°   | 9.4   | 10.6  | 13.0  | 15.3  | 15.3  |
| 77.5° | 9.4   | 10.6  | 13.0  | 15.3  | 15.3  |
| 80°   | 9.4   | 10.6  | 13.0  | 14.2  | 15.3  |
| 82.5° | 8.3   | 10.6  | 11.8  | 14.2  | 14.2  |
| 85°   | 8.3   | 9.4   | 11.8  | 13.0  | 14.2  |
| 87.5° | 7.1   | 8.3   | 9.4   | 11.8  | 11.8  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)