

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: McGRAW-EDISON

Report Number: P198287

Luminaire Tested: **TT-C1-LED-E1-WQ-MS/DIM-UPL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198287  
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P27139) AND SCALED  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TT-C1-LED-E1-WQ-MS/DIM-UPL  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT  
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (168) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4370.8 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.12' x H: 0.1')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U4 - G2

Input Watts (W): 45.4  
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



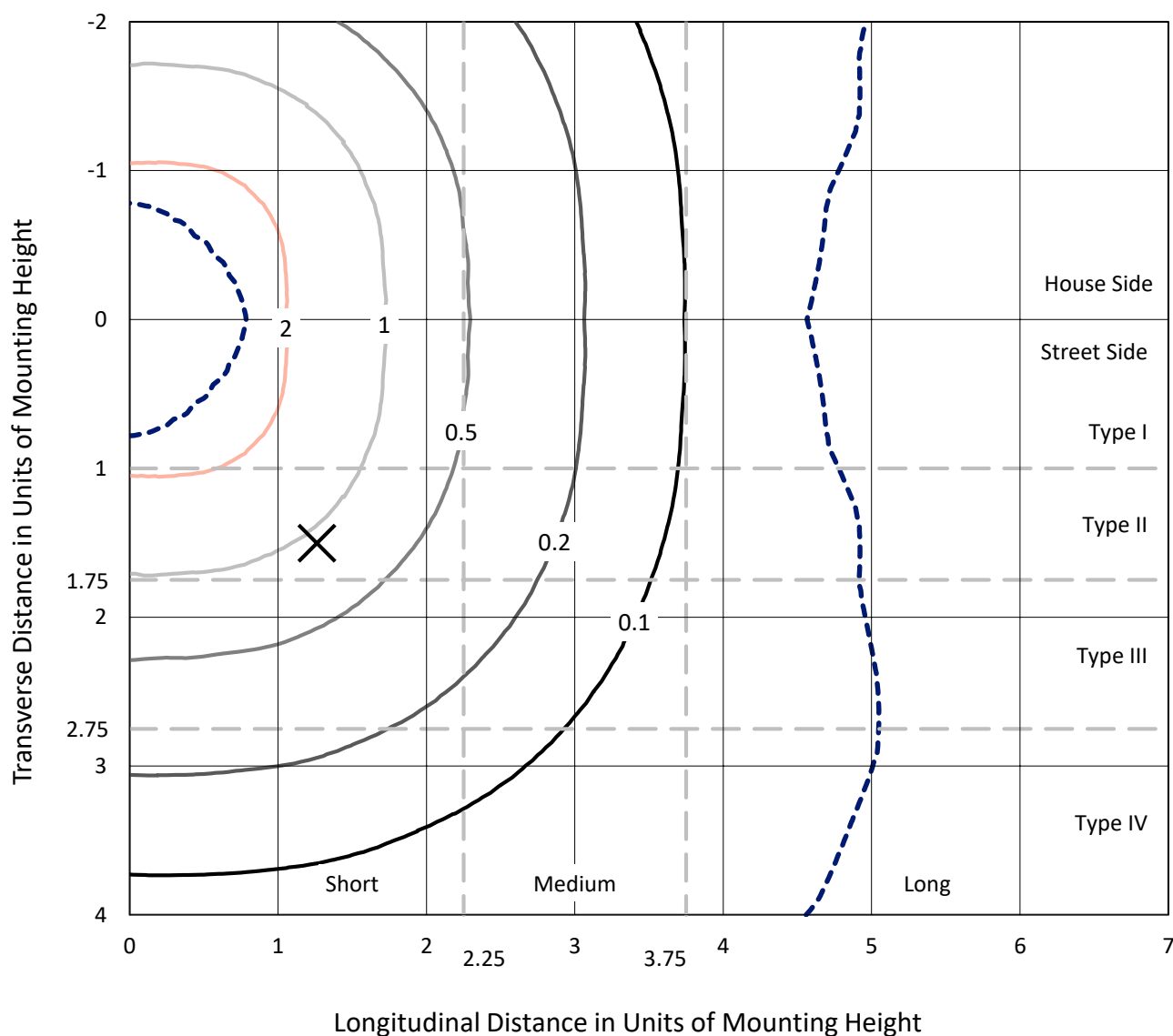
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

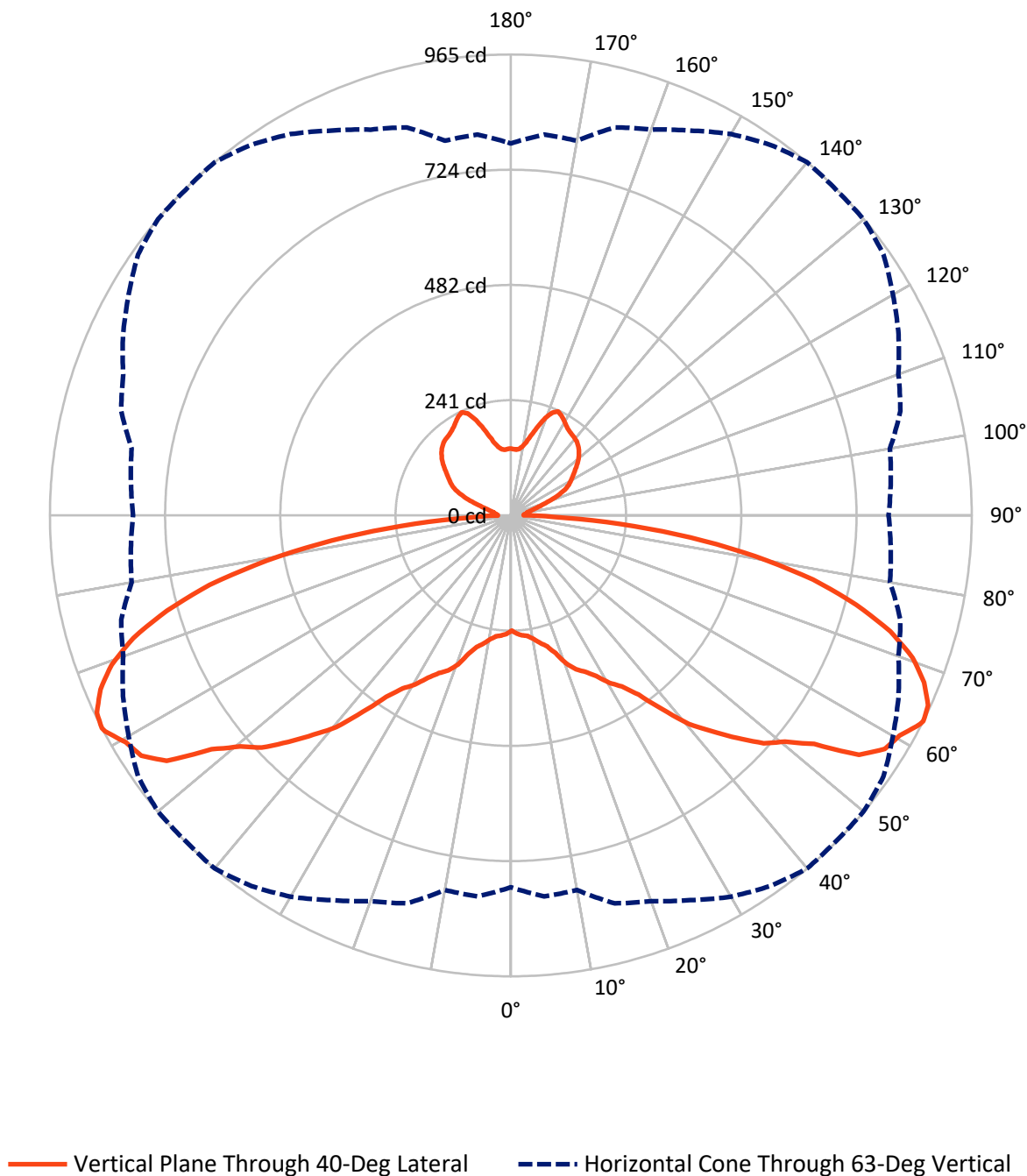


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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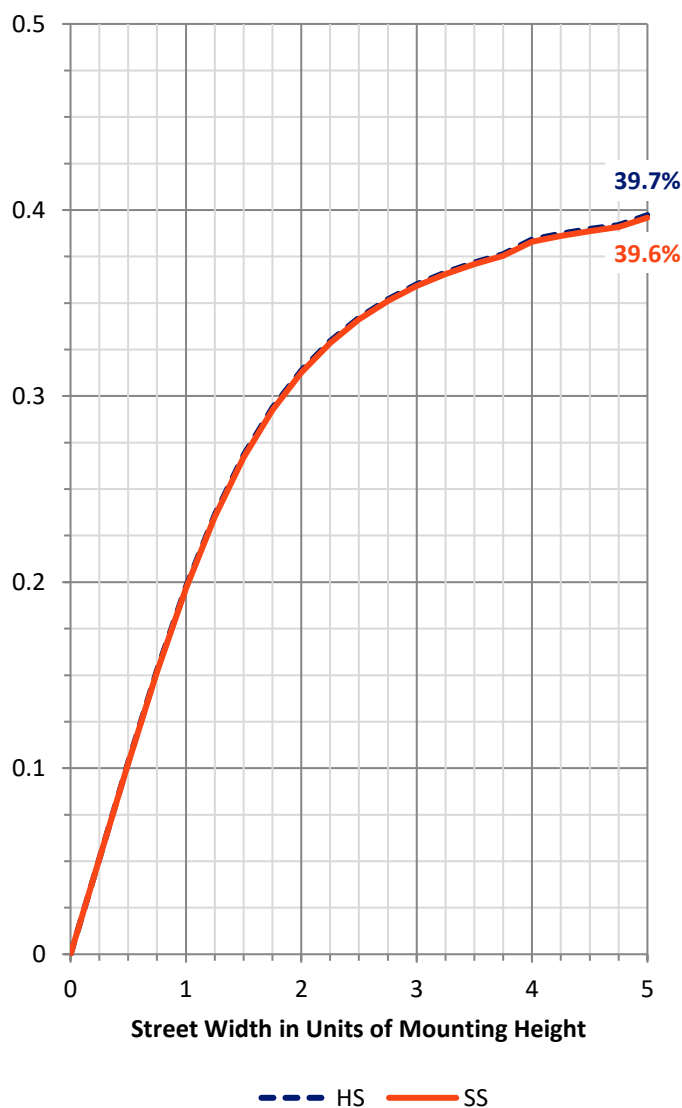
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1773.4   | 412.0  | 2185.4 |
|                    | % Fixture | 40.6     | 9.4    | 50.0   |
| <b>Street Side</b> | Lumens    | 1773.4   | 412.0  | 2185.4 |
|                    | % Fixture | 40.6     | 9.4    | 50.0   |
| <b>Total</b>       | Lumens    | 3546.8   | 824.0  | 4370.8 |
|                    | % Fixture | 81.1     | 18.9   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.3   | 0.6       |
| 10°-20°   | 82.8   | 1.9       |
| 20°-30°   | 168.2  | 3.8       |
| 30°-40°   | 290.0  | 6.6       |
| 40°-50°   | 488.5  | 11.2      |
| 50°-60°   | 719.3  | 16.5      |
| 60°-70°   | 855.4  | 19.6      |
| 70°-80°   | 692.4  | 15.8      |
| 80°-90°   | 225.9  | 5.2       |
| 90°-100°  | 38.3   | 0.9       |
| 100°-110° | 59.4   | 1.4       |
| 110°-120° | 119.3  | 2.7       |
| 120°-130° | 148.7  | 3.4       |
| 130°-140° | 153.2  | 3.5       |
| 140°-150° | 136.0  | 3.1       |
| 150°-160° | 103.7  | 2.4       |
| 160°-170° | 51.8   | 1.2       |
| 170°-180° | 13.6   | 0.3       |
| 0°-90°    | 3546.8 | 81.1      |
| 0°-180°   | 4370.8 | 100.0     |

**Coefficient of Utilization**



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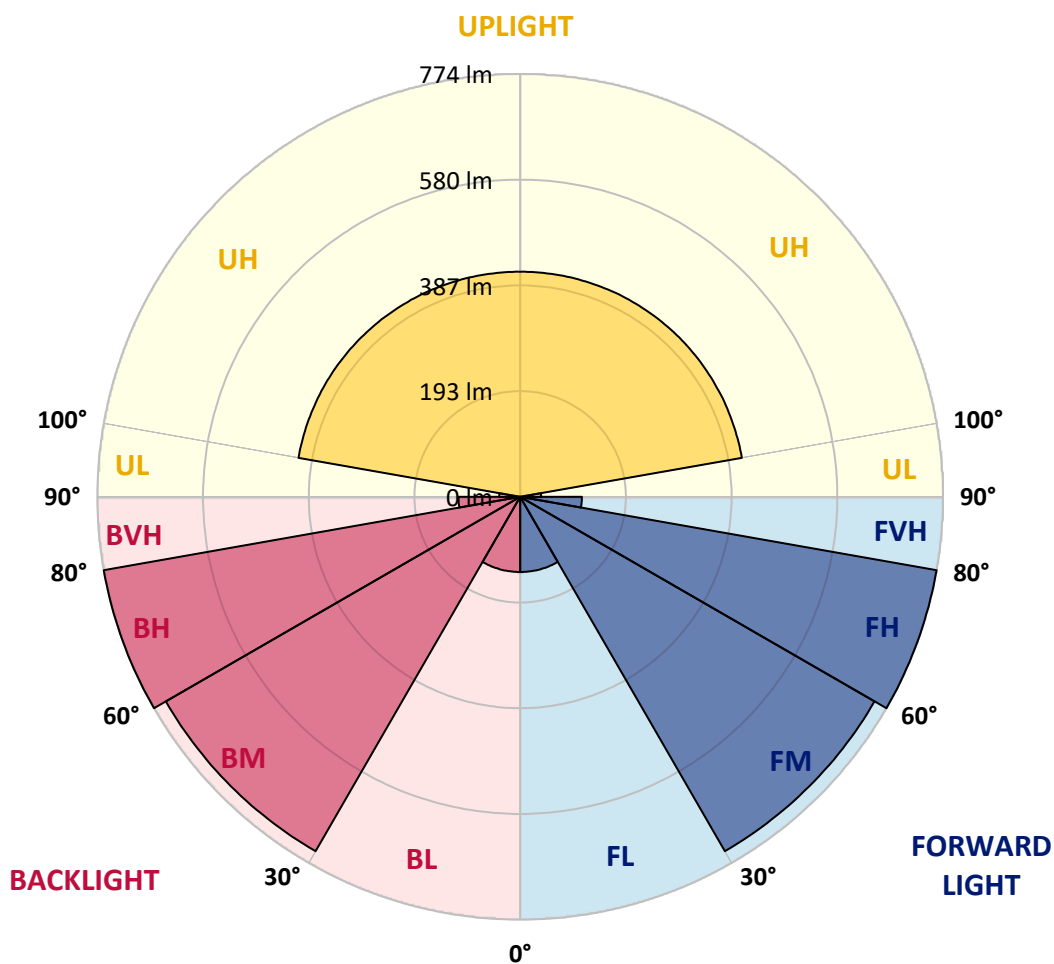
CATALOG NUMBER: TT-C1-LED-E1-WQ-MS/DIM-UPL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 137.7  | 3.1       |                         |        |         |
| FM   | (30°-60°)   | 748.9  | 17.1      |                         |        |         |
| FH   | (60°-80°)   | 773.9  | 17.7      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 113.0  | 2.6       |                         |        | G2/225  |
| BL   | (0°-30°)    | 137.7  | 3.1       | B1/500                  |        |         |
| BM   | (30°-60°)   | 748.9  | 17.1      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 773.9  | 17.7      | B2/1000                 |        | G1/1800 |
| BVH  | (80°-90°)   | 113.0  | 2.6       |                         |        | G2/225  |
| UL   | (90°-100°)  | 38.3   | 0.9       |                         | U2/50  |         |
| UH   | (100°-180°) | 412.0  | 9.4       |                         | U3/500 |         |

**BUG Rating: B2-U4-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 |
| 2.5°   | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.0 | 248.7 | 248.0 | 248.0 | 248.0 |
| 5°     | 253.5 | 253.5 | 253.5 | 253.5 | 252.9 | 252.9 | 252.2 | 252.2 | 252.2 | 251.5 | 252.2 |
| 7.5°   | 255.6 | 255.6 | 255.6 | 255.6 | 254.9 | 254.9 | 254.9 | 254.9 | 254.9 | 254.9 | 254.9 |
| 10°    | 260.4 | 260.4 | 261.1 | 261.8 | 263.1 | 263.1 | 263.1 | 263.8 | 263.1 | 263.1 | 263.1 |
| 12.5°  | 270.7 | 270.0 | 271.4 | 272.7 | 274.1 | 274.7 | 274.7 | 274.7 | 274.1 | 274.1 | 274.7 |
| 15°    | 285.0 | 283.7 | 284.3 | 285.0 | 285.7 | 286.4 | 286.4 | 285.7 | 284.3 | 284.3 | 284.3 |
| 17.5°  | 303.5 | 301.5 | 300.8 | 300.1 | 300.1 | 301.5 | 302.8 | 302.2 | 302.8 | 302.2 | 302.8 |
| 20°    | 325.5 | 324.1 | 324.1 | 324.1 | 324.8 | 327.5 | 330.2 | 331.6 | 330.9 | 329.6 | 331.6 |
| 22.5°  | 339.8 | 340.5 | 344.0 | 343.3 | 342.6 | 345.3 | 348.7 | 351.5 | 350.1 | 348.1 | 349.4 |
| 25°    | 355.6 | 355.6 | 360.4 | 362.5 | 360.4 | 360.4 | 361.8 | 363.8 | 362.5 | 361.1 | 362.5 |
| 27.5°  | 373.4 | 373.4 | 375.5 | 377.5 | 376.1 | 376.1 | 378.2 | 381.7 | 381.0 | 380.3 | 381.0 |
| 30°    | 394.6 | 391.9 | 389.9 | 393.3 | 396.7 | 397.4 | 399.5 | 404.9 | 406.3 | 405.6 | 407.0 |
| 32.5°  | 414.5 | 410.4 | 411.8 | 413.8 | 421.4 | 424.1 | 423.4 | 427.6 | 426.9 | 424.8 | 427.6 |
| 35°    | 433.7 | 438.5 | 441.2 | 445.4 | 448.1 | 451.6 | 451.6 | 459.1 | 460.5 | 458.4 | 460.5 |
| 37.5°  | 470.8 | 472.8 | 480.4 | 481.0 | 484.4 | 497.5 | 498.8 | 509.1 | 514.6 | 511.8 | 512.5 |
| 40°    | 521.4 | 520.7 | 526.3 | 534.5 | 541.3 | 557.7 | 562.6 | 569.4 | 574.2 | 572.2 | 574.9 |
| 42.5°  | 562.6 | 557.1 | 561.2 | 579.0 | 586.5 | 598.9 | 605.0 | 608.5 | 617.4 | 614.6 | 618.1 |
| 45°    | 592.0 | 594.0 | 599.6 | 617.4 | 622.1 | 632.4 | 646.8 | 653.0 | 664.6 | 661.2 | 663.3 |
| 47.5°  | 620.8 | 630.4 | 635.2 | 643.4 | 658.4 | 672.2 | 690.0 | 696.1 | 712.6 | 711.2 | 709.2 |
| 50°    | 658.4 | 666.0 | 671.5 | 677.6 | 698.2 | 720.8 | 735.9 | 738.6 | 744.2 | 740.0 | 746.9 |
| 52.5°  | 698.9 | 698.2 | 703.0 | 720.1 | 748.9 | 757.8 | 770.9 | 783.2 | 794.8 | 799.0 | 794.8 |
| 55°    | 752.4 | 735.2 | 755.1 | 779.8 | 792.1 | 813.3 | 844.9 | 862.0 | 884.6 | 888.0 | 881.2 |
| 57.5°  | 774.3 | 774.3 | 794.8 | 809.2 | 831.8 | 869.5 | 903.1 | 911.3 | 922.9 | 916.8 | 923.6 |
| 60°    | 771.6 | 797.6 | 797.6 | 822.9 | 859.9 | 893.5 | 905.8 | 919.5 | 935.3 | 934.6 | 934.6 |
| 62.5°  | 775.0 | 800.3 | 793.4 | 837.3 | 859.9 | 887.3 | 914.7 | 940.1 | 962.0 | 961.3 | 960.6 |
| 63°    | 778.4 | 800.3 | 796.2 | 840.7 | 859.2 | 888.7 | 921.6 | 946.9 | 964.8 | 963.4 | 964.1 |
| 65°    | 788.7 | 782.5 | 807.2 | 835.3 | 856.5 | 900.4 | 927.8 | 947.6 | 959.9 | 959.2 | 959.2 |
| 67.5°  | 769.5 | 755.1 | 790.1 | 801.0 | 841.4 | 880.5 | 901.7 | 924.3 | 933.2 | 933.2 | 931.8 |
| 70°    | 710.6 | 716.7 | 740.7 | 758.5 | 799.6 | 834.6 | 852.4 | 881.2 | 892.1 | 892.1 | 891.5 |
| 72.5°  | 650.9 | 661.2 | 677.6 | 703.0 | 742.0 | 769.5 | 790.7 | 816.8 | 831.1 | 830.4 | 830.4 |
| 75°    | 574.9 | 584.5 | 603.6 | 627.7 | 661.9 | 688.6 | 705.7 | 730.4 | 746.9 | 753.1 | 746.2 |
| 77.5°  | 489.3 | 492.0 | 509.8 | 534.5 | 564.6 | 583.1 | 609.2 | 633.1 | 646.8 | 646.1 | 644.1 |
| 80°    | 385.1 | 388.5 | 403.6 | 431.6 | 448.1 | 470.1 | 494.0 | 507.1 | 518.7 | 518.7 | 517.3 |
| 82.5°  | 265.8 | 273.4 | 288.5 | 307.0 | 324.1 | 343.3 | 356.3 | 369.3 | 378.9 | 378.2 | 376.1 |
| 85°    | 150.0 | 153.5 | 167.9 | 179.6 | 192.5 | 204.9 | 213.8 | 222.0 | 230.2 | 230.2 | 228.8 |
| 87.5°  | 45.2  | 40.4  | 48.6  | 53.5  | 60.3  | 66.4  | 70.6  | 78.8  | 84.3  | 78.1  | 78.1  |
| 90°    | 36.0  | 36.0  | 36.0  | 36.0  | 35.0  | 34.0  | 31.0  | 29.0  | 27.0  | 26.0  | 26.0  |
| 92.5°  | 40.0  | 39.0  | 39.0  | 38.0  | 36.0  | 34.0  | 32.0  | 29.0  | 27.0  | 27.0  | 27.0  |
| 95°    | 44.0  | 43.0  | 42.0  | 41.0  | 38.0  | 36.0  | 34.0  | 32.0  | 31.0  | 30.0  | 30.0  |
| 97.5°  | 42.0  | 42.0  | 41.0  | 40.0  | 38.0  | 37.0  | 36.0  | 35.0  | 34.0  | 33.0  | 32.0  |
| 100°   | 45.0  | 45.0  | 45.0  | 44.0  | 42.0  | 40.0  | 39.0  | 38.0  | 36.0  | 36.0  | 35.0  |
| 102.5° | 51.0  | 51.0  | 50.0  | 49.0  | 47.0  | 46.0  | 45.0  | 44.0  | 42.0  | 42.0  | 42.0  |
| 105°   | 60.0  | 60.0  | 59.0  | 57.0  | 55.0  | 54.0  | 53.0  | 53.0  | 51.0  | 52.0  | 52.0  |
| 107.5° | 72.0  | 72.0  | 72.0  | 70.0  | 68.0  | 67.0  | 66.0  | 66.0  | 66.0  | 68.0  | 68.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 86.0  | 86.0  | 87.0  | 89.0  | 86.0  | 85.0  | 85.0  | 86.0  | 86.0  | 87.0  | 86.0  |
| 112.5° | 101.0 | 102.0 | 104.0 | 108.0 | 106.0 | 107.0 | 107.0 | 110.0 | 108.0 | 107.0 | 103.0 |
| 115°   | 121.0 | 122.0 | 123.0 | 128.0 | 126.0 | 128.0 | 127.0 | 129.0 | 126.0 | 124.0 | 120.0 |
| 117.5° | 140.0 | 141.0 | 141.0 | 144.0 | 141.0 | 141.0 | 140.0 | 141.0 | 138.0 | 136.0 | 135.0 |
| 120°   | 152.0 | 153.0 | 154.0 | 155.0 | 151.0 | 149.0 | 147.0 | 149.0 | 147.0 | 147.0 | 148.0 |
| 122.5° | 161.0 | 162.0 | 163.0 | 164.0 | 159.0 | 154.0 | 153.0 | 155.0 | 156.0 | 158.0 | 158.0 |
| 125°   | 169.0 | 169.0 | 170.0 | 172.0 | 168.0 | 163.0 | 160.0 | 165.0 | 166.0 | 168.0 | 167.0 |
| 127.5° | 177.0 | 177.0 | 179.0 | 181.0 | 177.0 | 171.0 | 170.0 | 176.0 | 177.0 | 178.0 | 175.0 |
| 130°   | 187.0 | 188.0 | 190.0 | 191.0 | 185.0 | 179.0 | 179.0 | 186.0 | 187.0 | 186.0 | 183.0 |
| 132.5° | 198.0 | 199.0 | 200.0 | 201.0 | 193.0 | 186.0 | 187.0 | 193.0 | 195.0 | 195.0 | 191.0 |
| 135°   | 210.0 | 210.0 | 211.0 | 209.0 | 199.0 | 192.0 | 193.0 | 199.0 | 202.0 | 201.0 | 197.0 |
| 137.5° | 221.0 | 219.0 | 217.0 | 213.0 | 203.0 | 197.0 | 198.0 | 205.0 | 207.0 | 208.0 | 203.0 |
| 140°   | 229.0 | 226.0 | 222.0 | 216.0 | 205.0 | 200.0 | 201.0 | 207.0 | 210.0 | 213.0 | 212.0 |
| 142.5° | 235.0 | 231.0 | 225.0 | 218.0 | 206.0 | 201.0 | 202.0 | 208.0 | 212.0 | 218.0 | 218.0 |
| 145°   | 235.0 | 230.0 | 225.0 | 218.0 | 207.0 | 202.0 | 204.0 | 211.0 | 215.0 | 223.0 | 225.0 |
| 147.5° | 230.0 | 227.0 | 223.0 | 219.0 | 210.0 | 207.0 | 209.0 | 216.0 | 220.0 | 229.0 | 233.0 |
| 150°   | 224.0 | 221.0 | 219.0 | 220.0 | 215.0 | 214.0 | 216.0 | 222.0 | 227.0 | 235.0 | 239.0 |
| 152.5° | 216.0 | 214.0 | 216.0 | 221.0 | 220.0 | 220.0 | 224.0 | 230.0 | 234.0 | 241.0 | 241.0 |
| 155°   | 208.0 | 207.0 | 211.0 | 219.0 | 222.0 | 224.0 | 229.0 | 237.0 | 239.0 | 243.0 | 239.0 |
| 157.5° | 203.0 | 203.0 | 207.0 | 216.0 | 220.0 | 224.0 | 229.0 | 234.0 | 232.0 | 235.0 | 230.0 |
| 160°   | 199.0 | 198.0 | 203.0 | 210.0 | 212.0 | 213.0 | 216.0 | 219.0 | 216.0 | 219.0 | 216.0 |
| 162.5° | 185.0 | 184.0 | 188.0 | 193.0 | 194.0 | 193.0 | 196.0 | 198.0 | 195.0 | 198.0 | 196.0 |
| 165°   | 169.0 | 167.0 | 169.0 | 173.0 | 173.0 | 173.0 | 175.0 | 176.0 | 174.0 | 177.0 | 175.0 |
| 167.5° | 154.0 | 152.0 | 153.0 | 156.0 | 156.0 | 155.0 | 157.0 | 159.0 | 157.0 | 159.0 | 158.0 |
| 170°   | 142.0 | 141.0 | 142.0 | 145.0 | 144.0 | 144.0 | 146.0 | 147.0 | 146.0 | 147.0 | 147.0 |
| 172.5° | 137.0 | 135.0 | 136.0 | 139.0 | 139.0 | 138.0 | 140.0 | 141.0 | 140.0 | 141.0 | 140.0 |
| 175°   | 136.0 | 134.0 | 135.0 | 137.0 | 137.0 | 137.0 | 138.0 | 139.0 | 138.0 | 139.0 | 138.0 |
| 177.5° | 137.0 | 136.0 | 136.0 | 139.0 | 138.0 | 138.0 | 139.0 | 140.0 | 139.0 | 139.0 | 138.0 |
| 180°   | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 | 241.2 |
| 2.5°   | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 |
| 5°     | 252.2 | 252.9 | 252.9 | 253.5 | 253.5 | 253.5 | 253.5 | 253.5 |
| 7.5°   | 254.9 | 254.9 | 254.9 | 254.9 | 255.6 | 255.6 | 255.6 | 255.6 |
| 10°    | 263.1 | 263.8 | 263.1 | 263.1 | 261.8 | 261.1 | 261.1 | 261.1 |
| 12.5°  | 274.7 | 275.4 | 275.4 | 274.1 | 272.7 | 271.4 | 270.7 | 270.0 |
| 15°    | 285.7 | 287.8 | 286.4 | 285.7 | 284.3 | 285.0 | 285.0 | 285.7 |
| 17.5°  | 302.8 | 303.5 | 301.5 | 300.1 | 299.4 | 300.8 | 302.2 | 302.8 |
| 20°    | 332.3 | 330.9 | 326.9 | 325.5 | 324.1 | 324.1 | 325.5 | 325.5 |
| 22.5°  | 350.8 | 347.4 | 344.7 | 343.3 | 343.3 | 343.3 | 341.2 | 338.5 |
| 25°    | 363.8 | 361.8 | 359.7 | 361.1 | 362.5 | 360.4 | 355.6 | 354.9 |
| 27.5°  | 381.7 | 377.5 | 376.8 | 376.1 | 376.8 | 375.5 | 374.8 | 372.1 |
| 30°    | 404.9 | 399.5 | 398.1 | 396.7 | 392.6 | 391.3 | 392.6 | 394.6 |
| 32.5°  | 426.9 | 423.4 | 424.8 | 422.0 | 414.5 | 411.8 | 413.1 | 412.5 |
| 35°    | 458.4 | 452.3 | 452.3 | 446.7 | 444.7 | 444.0 | 438.5 | 433.7 |
| 37.5°  | 508.4 | 500.2 | 498.2 | 485.8 | 480.4 | 481.7 | 474.2 | 468.7 |
| 40°    | 569.4 | 563.3 | 557.7 | 544.1 | 536.5 | 526.9 | 522.1 | 522.1 |
| 42.5°  | 609.8 | 605.7 | 598.2 | 588.6 | 580.4 | 563.9 | 557.7 | 561.2 |
| 45°    | 654.4 | 648.9 | 633.1 | 623.5 | 616.0 | 604.3 | 597.5 | 590.7 |
| 47.5°  | 699.6 | 692.1 | 673.6 | 661.2 | 643.4 | 639.9 | 632.4 | 622.8 |
| 50°    | 739.3 | 736.6 | 723.5 | 703.0 | 680.4 | 674.9 | 668.0 | 659.1 |
| 52.5°  | 788.0 | 771.6 | 760.6 | 751.7 | 726.3 | 708.5 | 698.9 | 703.0 |
| 55°    | 867.4 | 846.9 | 818.8 | 790.7 | 785.2 | 764.0 | 740.0 | 753.1 |
| 57.5°  | 913.3 | 901.7 | 880.5 | 836.0 | 814.0 | 799.6 | 783.9 | 772.2 |
| 60°    | 924.3 | 903.1 | 898.3 | 864.7 | 829.8 | 799.6 | 805.8 | 778.4 |
| 62.5°  | 945.6 | 916.8 | 890.1 | 863.4 | 842.1 | 801.0 | 799.6 | 785.2 |
| 63°    | 952.4 | 923.6 | 895.5 | 863.4 | 844.2 | 805.8 | 798.3 | 790.7 |
| 65°    | 951.0 | 926.4 | 905.1 | 863.4 | 834.6 | 819.5 | 782.5 | 799.6 |
| 67.5°  | 925.0 | 904.4 | 879.8 | 851.0 | 803.0 | 791.4 | 765.4 | 768.8 |
| 70°    | 883.2 | 856.5 | 833.2 | 806.5 | 768.1 | 741.3 | 725.6 | 712.6 |
| 72.5°  | 818.1 | 794.1 | 769.5 | 744.8 | 710.6 | 678.3 | 667.4 | 653.0 |
| 75°    | 731.8 | 708.5 | 685.9 | 662.6 | 630.4 | 601.6 | 590.0 | 579.7 |
| 77.5°  | 633.1 | 613.2 | 581.1 | 559.1 | 540.6 | 509.8 | 498.8 | 487.9 |
| 80°    | 505.0 | 495.4 | 472.1 | 443.4 | 433.7 | 403.6 | 395.3 | 381.0 |
| 82.5°  | 367.2 | 357.6 | 339.1 | 319.3 | 307.7 | 291.9 | 278.2 | 268.6 |
| 85°    | 224.1 | 213.8 | 204.2 | 186.4 | 179.6 | 167.9 | 156.9 | 151.5 |
| 87.5°  | 80.9  | 72.6  | 65.1  | 56.8  | 52.8  | 44.5  | 43.2  | 39.0  |
| 90°    | 28.0  | 30.0  | 32.0  | 33.0  | 34.0  | 34.0  | 34.0  | 34.0  |
| 92.5°  | 28.0  | 30.0  | 32.0  | 33.0  | 35.0  | 36.0  | 36.0  | 36.0  |
| 95°    | 30.0  | 32.0  | 34.0  | 35.0  | 37.0  | 38.0  | 39.0  | 38.0  |
| 97.5°  | 33.0  | 34.0  | 34.0  | 35.0  | 36.0  | 36.0  | 36.0  | 36.0  |
| 100°   | 36.0  | 37.0  | 38.0  | 38.0  | 38.0  | 38.0  | 37.0  | 37.0  |
| 102.5° | 43.0  | 44.0  | 44.0  | 42.0  | 42.0  | 41.0  | 41.0  | 41.0  |
| 105°   | 54.0  | 54.0  | 53.0  | 51.0  | 49.0  | 48.0  | 48.0  | 49.0  |
| 107.5° | 68.0  | 68.0  | 66.0  | 63.0  | 60.0  | 59.0  | 59.0  | 60.0  |

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 84.0  | 83.0  | 84.0  | 81.0  | 78.0  | 76.0  | 74.0  | 75.0  |
| 112.5° | 102.0 | 102.0 | 105.0 | 103.0 | 100.0 | 98.0  | 95.0  | 94.0  |
| 115°   | 121.0 | 123.0 | 125.0 | 124.0 | 123.0 | 121.0 | 116.0 | 113.0 |
| 117.5° | 138.0 | 140.0 | 141.0 | 139.0 | 139.0 | 139.0 | 133.0 | 129.0 |
| 120°   | 150.0 | 151.0 | 153.0 | 148.0 | 148.0 | 148.0 | 145.0 | 142.0 |
| 122.5° | 159.0 | 160.0 | 162.0 | 156.0 | 155.0 | 156.0 | 153.0 | 150.0 |
| 125°   | 167.0 | 167.0 | 168.0 | 164.0 | 163.0 | 164.0 | 160.0 | 158.0 |
| 127.5° | 176.0 | 175.0 | 175.0 | 173.0 | 173.0 | 173.0 | 166.0 | 163.0 |
| 130°   | 183.0 | 182.0 | 183.0 | 181.0 | 184.0 | 181.0 | 171.0 | 169.0 |
| 132.5° | 190.0 | 189.0 | 192.0 | 189.0 | 192.0 | 190.0 | 179.0 | 176.0 |
| 135°   | 196.0 | 197.0 | 201.0 | 199.0 | 199.0 | 195.0 | 185.0 | 184.0 |
| 137.5° | 203.0 | 205.0 | 210.0 | 207.0 | 204.0 | 198.0 | 191.0 | 190.0 |
| 140°   | 212.0 | 214.0 | 217.0 | 214.0 | 209.0 | 202.0 | 195.0 | 195.0 |
| 142.5° | 220.0 | 222.0 | 223.0 | 217.0 | 211.0 | 204.0 | 198.0 | 198.0 |
| 145°   | 230.0 | 230.0 | 227.0 | 217.0 | 211.0 | 205.0 | 201.0 | 202.0 |
| 147.5° | 239.0 | 236.0 | 229.0 | 218.0 | 212.0 | 207.0 | 204.0 | 206.0 |
| 150°   | 242.0 | 240.0 | 232.0 | 220.0 | 214.0 | 211.0 | 210.0 | 211.0 |
| 152.5° | 242.0 | 241.0 | 235.0 | 223.0 | 219.0 | 217.0 | 215.0 | 216.0 |
| 155°   | 238.0 | 237.0 | 234.0 | 227.0 | 224.0 | 223.0 | 220.0 | 219.0 |
| 157.5° | 228.0 | 229.0 | 229.0 | 226.0 | 226.0 | 225.0 | 222.0 | 219.0 |
| 160°   | 215.0 | 217.0 | 219.0 | 219.0 | 221.0 | 222.0 | 218.0 | 215.0 |
| 162.5° | 196.0 | 199.0 | 200.0 | 201.0 | 204.0 | 208.0 | 207.0 | 207.0 |
| 165°   | 176.0 | 179.0 | 181.0 | 181.0 | 185.0 | 189.0 | 190.0 | 192.0 |
| 167.5° | 160.0 | 163.0 | 165.0 | 164.0 | 168.0 | 171.0 | 172.0 | 174.0 |
| 170°   | 148.0 | 150.0 | 152.0 | 152.0 | 155.0 | 158.0 | 159.0 | 160.0 |
| 172.5° | 141.0 | 144.0 | 145.0 | 144.0 | 146.0 | 149.0 | 149.0 | 151.0 |
| 175°   | 138.0 | 140.0 | 141.0 | 140.0 | 141.0 | 143.0 | 143.0 | 144.0 |
| 177.5° | 138.0 | 140.0 | 140.0 | 138.0 | 140.0 | 141.0 | 141.0 | 141.0 |
| 180°   | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 |

(END OF REPORT)