

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: P198064

Luminaire Tested: **TT-C1-LED-E1-RW-PM-CG-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C1-LED-E1-RW-PM-CG-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS  
Light Source: (168) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2837.1 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

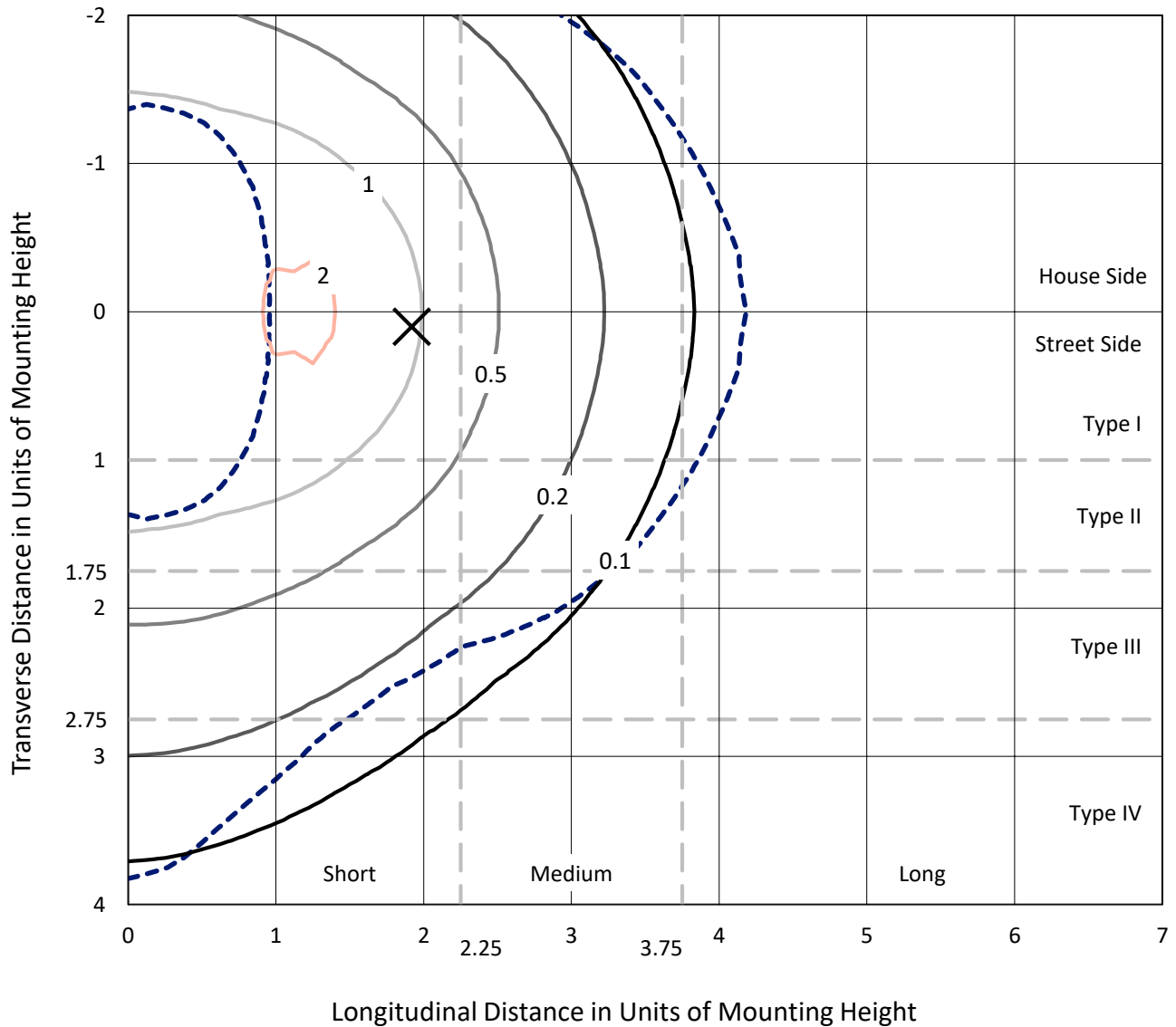
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

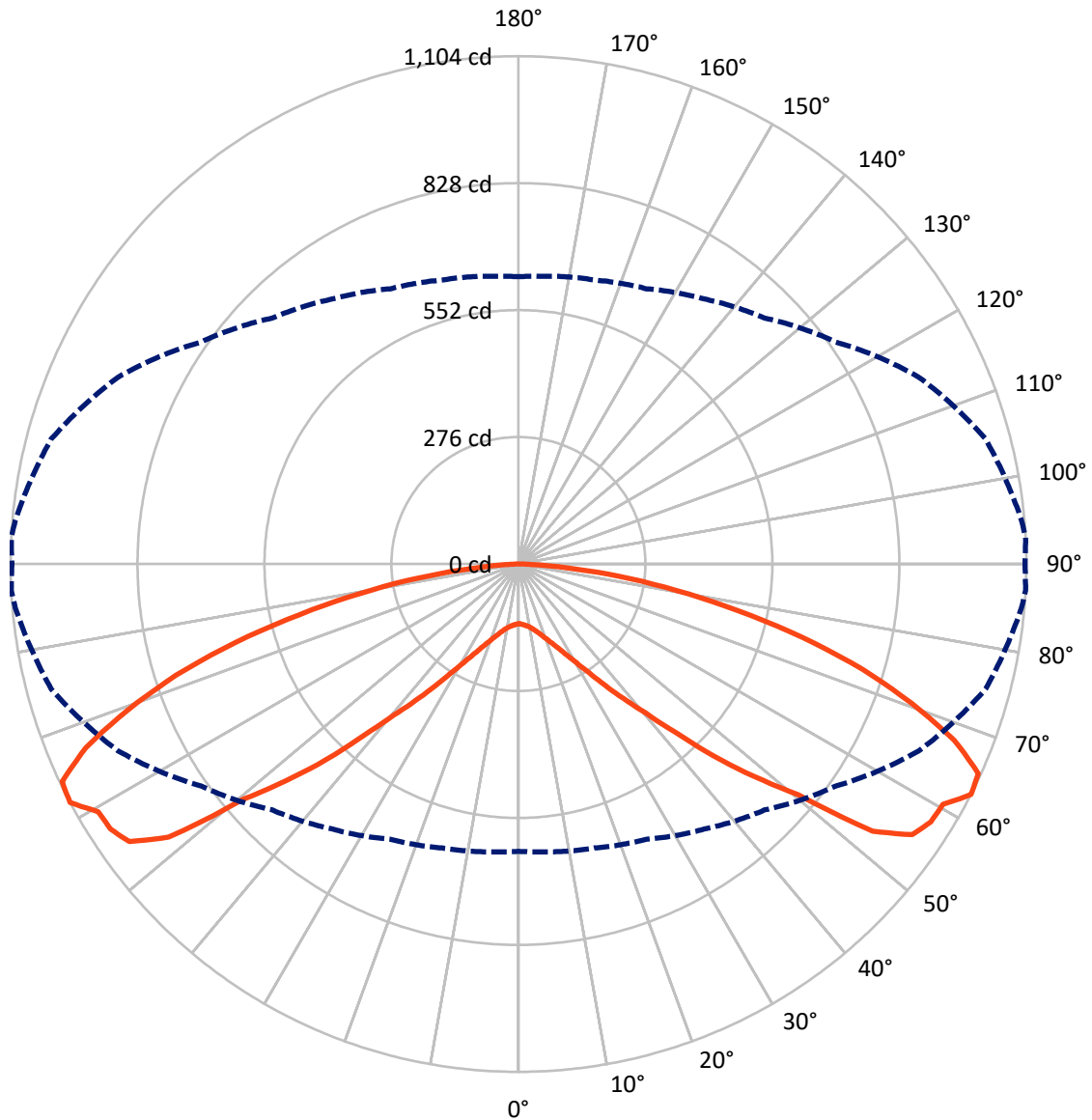
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 87-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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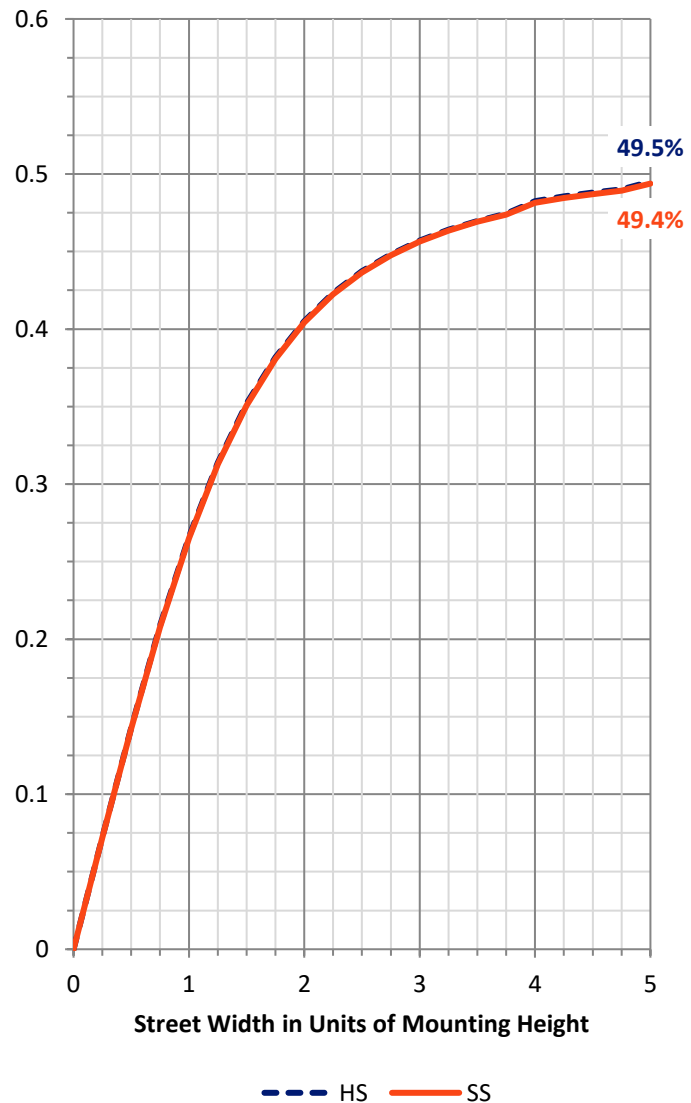
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1418.5   | 0.0    | 1418.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1418.5   | 0.0    | 1418.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2837.1   | 0.0    | 2837.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.9   | 0.5       |
| 10°-20°   | 44.8   | 1.6       |
| 20°-30°   | 98.9   | 3.5       |
| 30°-40°   | 199.1  | 7.0       |
| 40°-50°   | 379.8  | 13.4      |
| 50°-60°   | 650.3  | 22.9      |
| 60°-70°   | 787.9  | 27.8      |
| 70°-80°   | 545.9  | 19.2      |
| 80°-90°   | 117.3  | 4.1       |
| 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°    | 2837.1 | 100.0     |
| 0°-180°   | 2837.1 | 100.0     |



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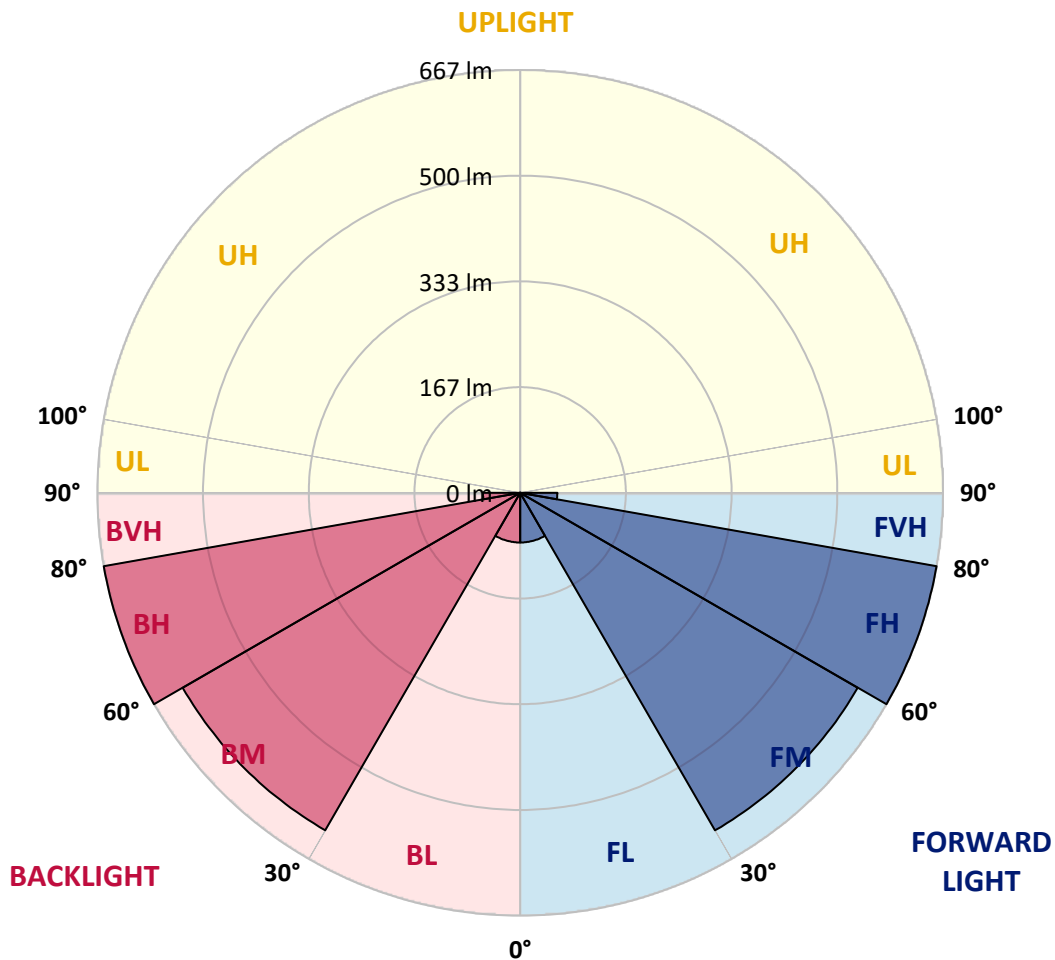
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 78.3   | 2.8       |                         |      |         |
| FM   | (30°-60°)   | 614.6  | 21.7      |                         |      |         |
| FH   | (60°-80°)   | 666.9  | 23.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 58.7   | 2.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 78.3   | 2.8       | B0/110                  |      |         |
| BM   | (30°-60°)   | 614.6  | 21.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 666.9  | 23.5      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 58.7   | 2.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°    | 85°    | 87°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4 | 129.4  | 129.4  | 129.4  |
| 2.5°  | 130.5 | 130.5 | 131.1 | 131.1 | 131.1 | 131.1 | 131.1 | 131.1 | 131.1  | 131.1  | 131.1  |
| 5°    | 132.9 | 132.9 | 132.9 | 133.4 | 133.4 | 133.4 | 133.4 | 133.4 | 132.9  | 132.9  | 132.9  |
| 7.5°  | 136.3 | 136.3 | 136.3 | 136.9 | 136.9 | 136.9 | 136.3 | 136.3 | 135.8  | 135.8  | 135.8  |
| 10°   | 141.0 | 141.0 | 141.6 | 141.6 | 141.0 | 141.0 | 140.4 | 139.8 | 140.4  | 139.8  | 139.8  |
| 12.5° | 147.4 | 148.5 | 148.0 | 148.0 | 146.8 | 146.8 | 146.2 | 146.2 | 146.2  | 145.6  | 145.6  |
| 15°   | 156.7 | 156.7 | 157.2 | 156.1 | 156.1 | 154.3 | 153.8 | 153.2 | 153.8  | 153.8  | 153.2  |
| 17.5° | 167.7 | 167.7 | 167.7 | 165.9 | 164.8 | 163.6 | 163.0 | 162.5 | 161.9  | 162.5  | 162.5  |
| 20°   | 184.5 | 183.3 | 181.0 | 179.9 | 177.0 | 175.8 | 174.6 | 174.1 | 173.5  | 173.5  | 173.5  |
| 22.5° | 201.9 | 200.8 | 197.9 | 195.5 | 193.2 | 190.3 | 189.1 | 186.8 | 186.2  | 187.4  | 186.8  |
| 25°   | 218.7 | 220.5 | 217.0 | 214.1 | 212.4 | 207.7 | 204.8 | 204.2 | 203.1  | 202.5  | 203.1  |
| 27.5° | 239.6 | 240.8 | 237.9 | 233.8 | 230.3 | 226.9 | 224.0 | 222.8 | 223.4  | 223.4  | 224.0  |
| 30°   | 262.8 | 265.2 | 260.5 | 258.2 | 253.0 | 248.3 | 246.0 | 247.2 | 248.3  | 250.1  | 249.5  |
| 32.5° | 289.5 | 289.5 | 287.2 | 283.1 | 277.3 | 273.3 | 272.1 | 273.9 | 279.1  | 281.4  | 280.8  |
| 35°   | 320.9 | 318.5 | 316.2 | 311.0 | 303.5 | 301.1 | 303.5 | 309.3 | 316.8  | 320.9  | 323.2  |
| 37.5° | 353.3 | 348.7 | 345.2 | 339.4 | 335.9 | 334.8 | 340.0 | 351.0 | 359.2  | 366.7  | 370.2  |
| 40°   | 381.2 | 381.2 | 376.6 | 370.2 | 366.7 | 371.9 | 380.0 | 395.7 | 411.4  | 419.5  | 425.3  |
| 42.5° | 409.0 | 412.5 | 407.3 | 402.1 | 402.1 | 409.0 | 424.7 | 449.1 | 478.7  | 496.1  | 499.0  |
| 45°   | 438.1 | 444.4 | 437.5 | 434.0 | 437.5 | 451.4 | 481.0 | 528.0 | 572.1  | 600.5  | 595.9  |
| 47.5° | 468.2 | 474.0 | 467.7 | 465.9 | 474.0 | 499.0 | 544.2 | 604.6 | 648.7  | 678.3  | 689.9  |
| 50°   | 505.4 | 501.3 | 499.0 | 498.4 | 515.2 | 552.4 | 611.0 | 675.9 | 746.7  | 773.4  | 787.9  |
| 52.5° | 536.7 | 529.7 | 528.6 | 532.6 | 560.5 | 605.2 | 678.3 | 797.8 | 895.8  | 962.0  | 964.3  |
| 55°   | 564.0 | 556.4 | 560.5 | 570.3 | 608.1 | 670.1 | 762.4 | 902.2 | 985.2  | 1034.5 | 1038.6 |
| 57.5° | 587.2 | 583.1 | 590.1 | 603.4 | 652.2 | 726.4 | 829.7 | 945.2 | 1013.6 | 1053.1 | 1057.1 |
| 60°   | 608.1 | 607.5 | 615.0 | 637.7 | 692.2 | 759.5 | 844.8 | 948.1 | 1019.4 | 1054.8 | 1060.0 |
| 62.5° | 624.3 | 627.8 | 638.8 | 659.7 | 703.2 | 756.0 | 841.3 | 960.3 | 1050.8 | 1097.2 | 1103.6 |
| 65°   | 638.2 | 641.7 | 652.7 | 659.7 | 698.6 | 749.1 | 860.5 | 968.4 | 1046.1 | 1094.3 | 1098.3 |
| 67.5° | 645.8 | 649.8 | 648.1 | 649.3 | 679.4 | 718.9 | 815.2 | 908.0 | 971.9  | 1016.0 | 1021.2 |
| 70°   | 644.6 | 641.1 | 627.2 | 612.7 | 619.1 | 646.9 | 734.0 | 811.7 | 869.7  | 904.6  | 906.3  |
| 72.5° | 620.2 | 614.4 | 581.4 | 547.7 | 537.9 | 556.4 | 632.4 | 691.0 | 740.4  | 772.3  | 782.1  |
| 75°   | 565.1 | 553.5 | 505.4 | 461.8 | 439.8 | 453.7 | 512.3 | 563.4 | 599.9  | 631.3  | 637.7  |
| 77.5° | 464.7 | 457.8 | 409.6 | 362.1 | 337.7 | 347.0 | 393.4 | 423.6 | 463.0  | 495.5  | 487.4  |
| 80°   | 338.3 | 337.1 | 298.2 | 255.9 | 238.5 | 242.5 | 267.5 | 297.1 | 322.0  | 346.4  | 347.5  |
| 82.5° | 221.1 | 217.6 | 191.5 | 160.7 | 142.7 | 145.1 | 160.7 | 176.4 | 200.2  | 215.8  | 220.5  |
| 85°   | 109.7 | 107.9 | 96.3  | 77.2  | 67.3  | 67.3  | 74.8  | 84.1  | 95.7   | 102.7  | 102.1  |
| 87.5° | 30.2  | 27.3  | 26.7  | 19.7  | 16.2  | 17.4  | 17.4  | 19.1  | 24.4   | 26.1   | 27.9   |
| 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):**

|       | 90°    |
|-------|--------|
| 0°    | 129.4  |
| 2.5°  | 131.1  |
| 5°    | 132.9  |
| 7.5°  | 135.8  |
| 10°   | 140.4  |
| 12.5° | 145.6  |
| 15°   | 153.2  |
| 17.5° | 161.9  |
| 20°   | 173.5  |
| 22.5° | 188.0  |
| 25°   | 203.1  |
| 27.5° | 223.4  |
| 30°   | 250.1  |
| 32.5° | 281.4  |
| 35°   | 322.0  |
| 37.5° | 367.3  |
| 40°   | 423.0  |
| 42.5° | 496.1  |
| 45°   | 601.1  |
| 47.5° | 684.1  |
| 50°   | 780.4  |
| 52.5° | 967.8  |
| 55°   | 1039.7 |
| 57.5° | 1058.3 |
| 60°   | 1060.6 |
| 62.5° | 1100.7 |
| 65°   | 1103.0 |
| 67.5° | 1017.1 |
| 70°   | 909.2  |
| 72.5° | 781.0  |
| 75°   | 642.3  |
| 77.5° | 496.1  |
| 80°   | 347.0  |
| 82.5° | 217.0  |
| 85°   | 101.5  |
| 87.5° | 25.5   |
| 90°   | 0.0    |

(END OF REPORT)