

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: P1211836

Luminaire Tested: **GKO-PB1A-827-U-T3**

Issue Date: 11/5/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P1211836  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1A-827-U-T3  
Description: GEKKO WALL PACK 750LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC  
Light Source: (10) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

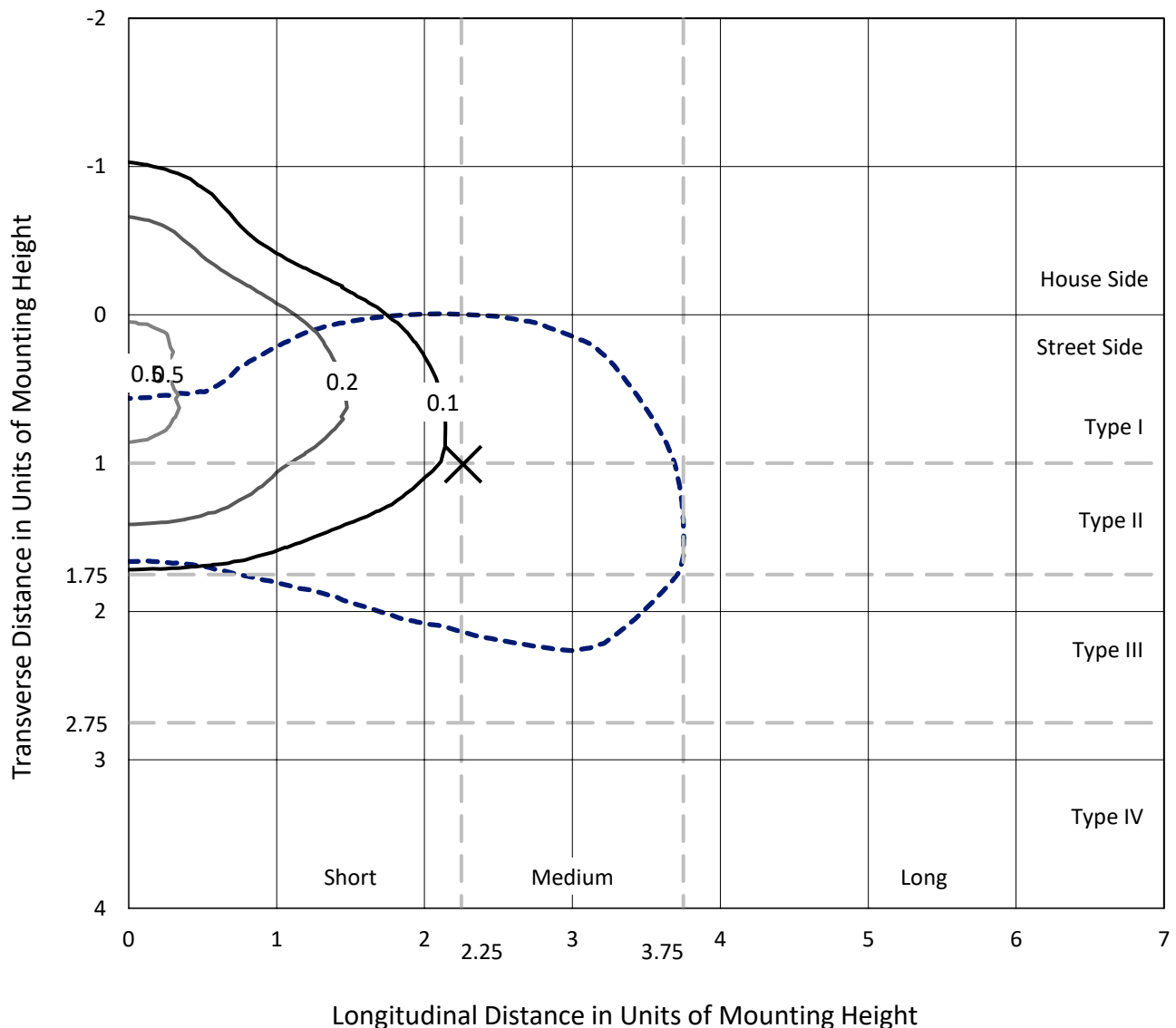
Lumens per Lamp: N/A  
Luminaire Lumens: 651.3 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G0

Input Watts (W): 4.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 16%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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## Iso-Footcandle Lines of Horizontal Illumination

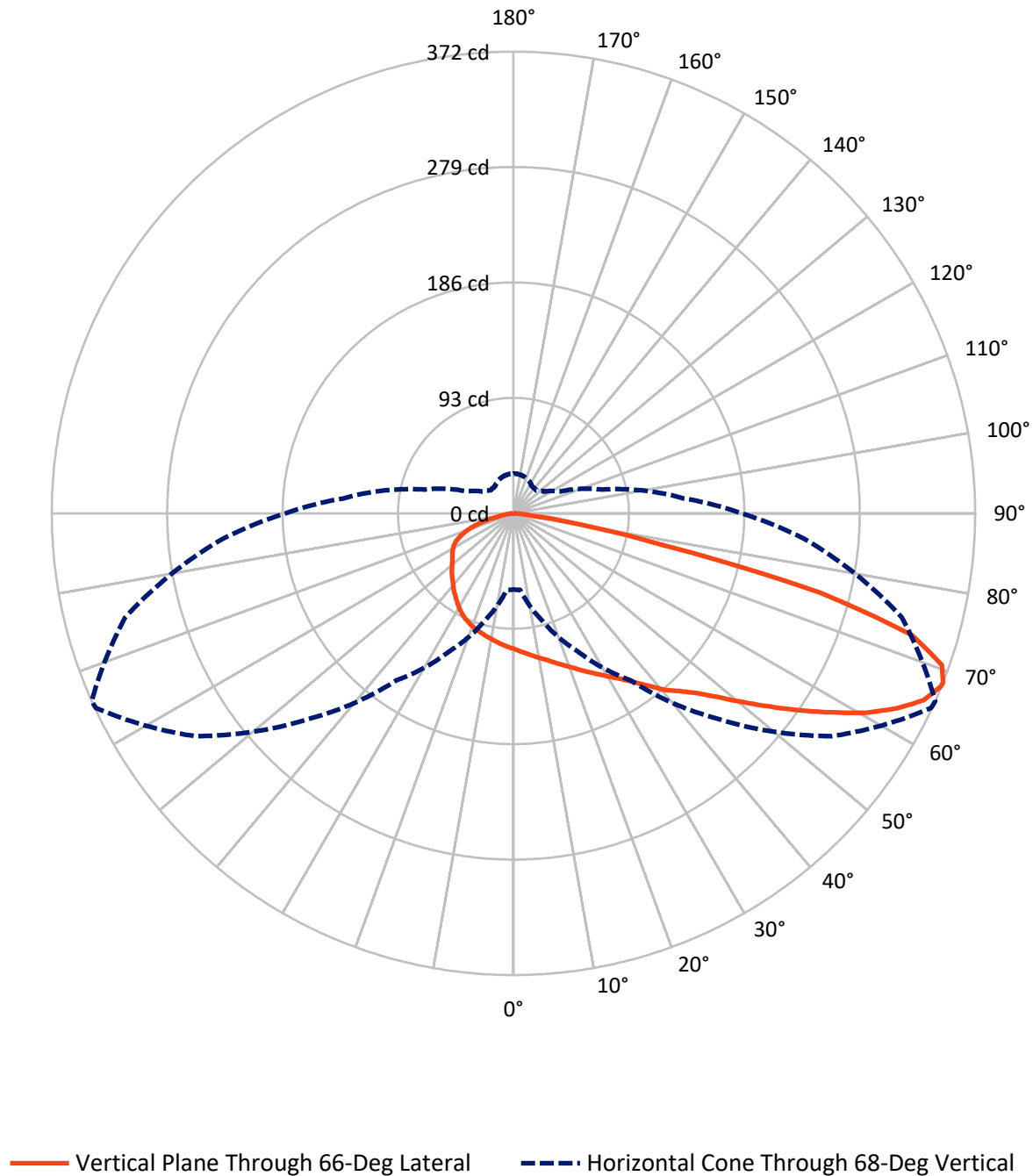
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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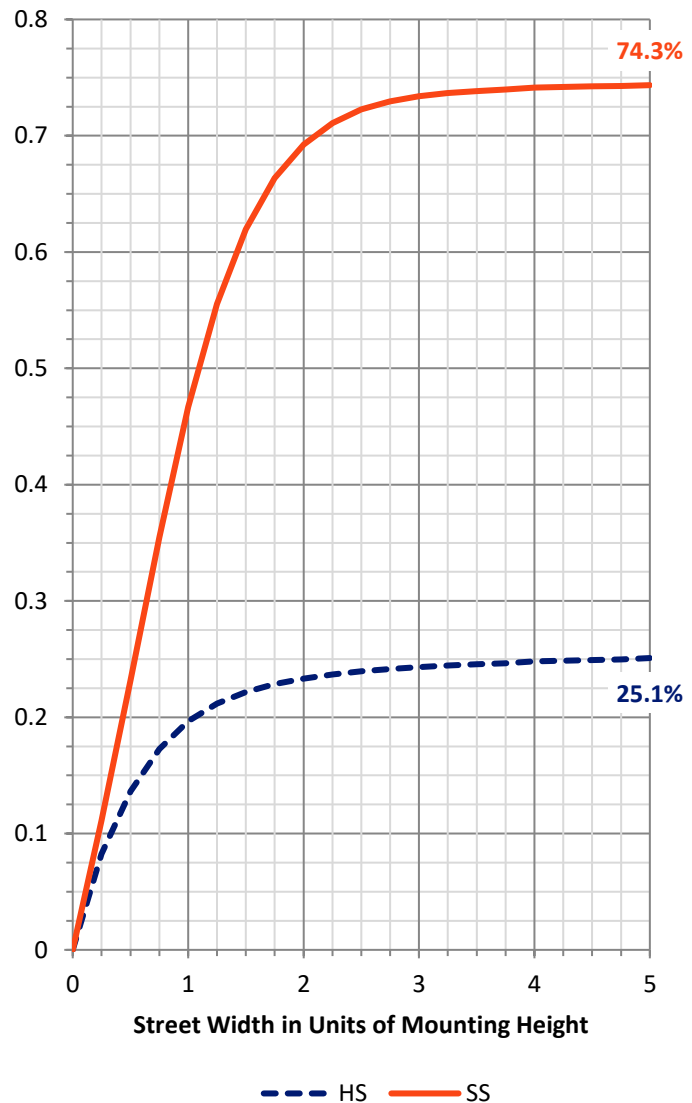
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| <b>House Side</b>  | Lumens    | 166.8    | 0.0    | 166.8 |
|                    | % Fixture | 25.6     | 0.0    | 25.6  |
| <b>Street Side</b> | Lumens    | 484.6    | 0.0    | 484.6 |
|                    | % Fixture | 74.4     | 0.0    | 74.4  |
| <b>Total</b>       | Lumens    | 651.3    | 0.0    | 651.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0 |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.5   | 1.6       |
| 10°-20°   | 31.5   | 4.8       |
| 20°-30°   | 54.3   | 8.3       |
| 30°-40°   | 84.2   | 12.9      |
| 40°-50°   | 115.4  | 17.7      |
| 50°-60°   | 137.6  | 21.1      |
| 60°-70°   | 137.9  | 21.2      |
| 70°-80°   | 73.0   | 11.2      |
| 80°-90°   | 7.0    | 1.1       |
| 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°    | 651.3  | 100.0     |
| 0°-180°   | 651.3  | 100.0     |



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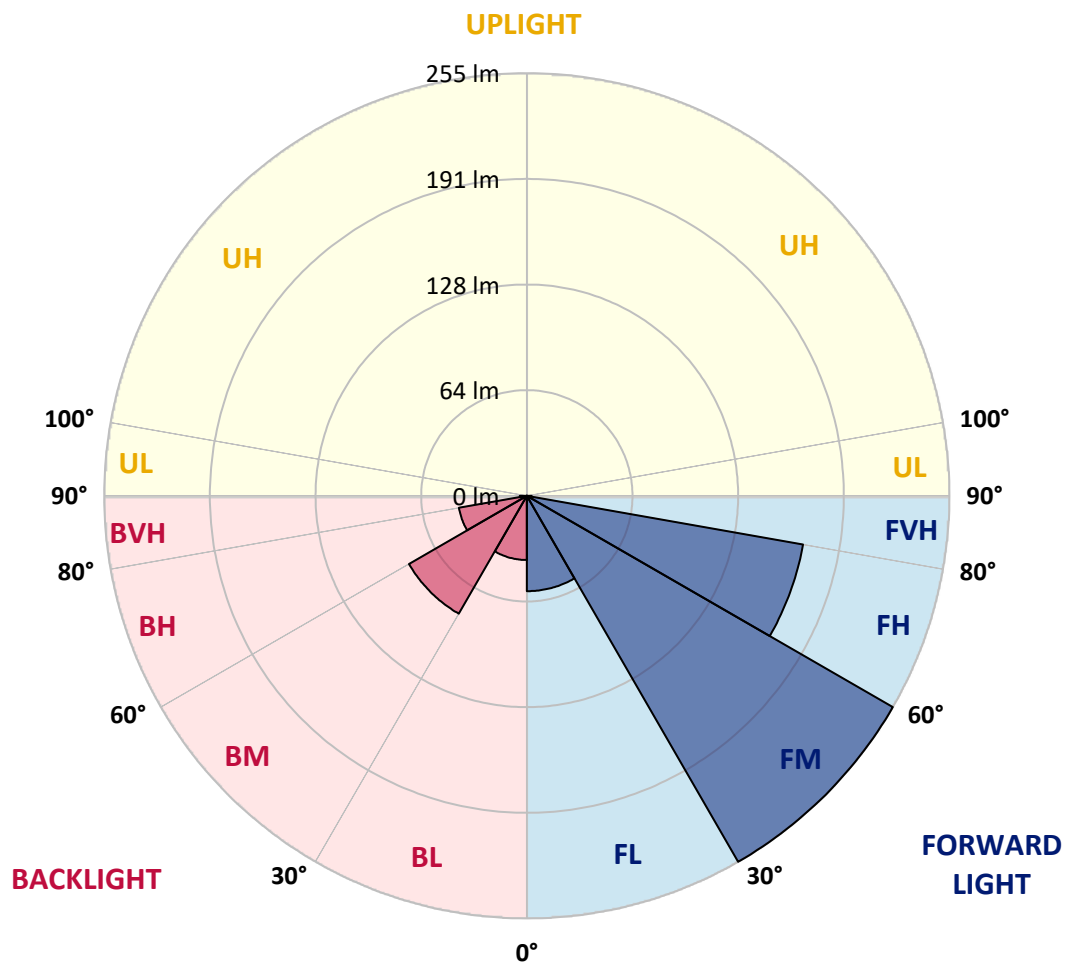
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 57.5   | 8.8       |                         |      |        |
| FM   | (30°-60°)   | 255.0  | 39.2      |                         |      |        |
| FH   | (60°-80°)   | 169.2  | 26.0      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.8    | 0.4       |                         |      | G0/10  |
| BL   | (0°-30°)    | 38.7   | 5.9       | B0/110                  |      |        |
| BM   | (30°-60°)   | 82.1   | 12.6      | B0/220                  |      |        |
| BH   | (60°-80°)   | 41.6   | 6.4       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 4.3    | 0.7       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B0-U0-G0**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 66°   | 75°   | 85°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 |
| 2.5°  | 113.8 | 113.8 | 113.5 | 113.4 | 113.3 | 112.5 | 112.0 | 111.4 | 111.4 | 110.4 | 109.5 |
| 5°    | 117.7 | 117.8 | 117.3 | 117.3 | 116.8 | 115.8 | 114.8 | 113.5 | 113.5 | 112.0 | 110.2 |
| 7.5°  | 121.1 | 121.5 | 121.0 | 121.0 | 120.5 | 119.4 | 117.7 | 115.9 | 115.9 | 113.8 | 111.3 |
| 10°   | 124.4 | 124.7 | 124.4 | 124.7 | 123.9 | 122.9 | 121.0 | 118.6 | 118.5 | 115.8 | 112.3 |
| 12.5° | 127.1 | 127.3 | 127.4 | 127.8 | 127.2 | 126.4 | 124.7 | 121.6 | 121.2 | 118.1 | 113.5 |
| 15°   | 129.6 | 129.8 | 130.2 | 130.7 | 130.6 | 130.0 | 128.3 | 124.9 | 124.7 | 120.6 | 115.2 |
| 17.5° | 131.6 | 131.7 | 132.5 | 133.5 | 133.8 | 133.9 | 132.1 | 128.6 | 128.3 | 123.5 | 117.0 |
| 20°   | 134.5 | 134.8 | 135.5 | 136.5 | 137.3 | 137.8 | 136.4 | 132.5 | 132.2 | 126.9 | 119.2 |
| 22.5° | 141.1 | 140.7 | 141.1 | 141.1 | 141.5 | 142.2 | 141.2 | 137.3 | 136.8 | 131.0 | 122.0 |
| 25°   | 153.5 | 153.1 | 152.1 | 149.8 | 147.3 | 147.2 | 146.0 | 142.2 | 141.6 | 135.2 | 124.7 |
| 27.5° | 170.8 | 169.9 | 168.0 | 163.2 | 157.2 | 153.2 | 151.5 | 147.5 | 146.8 | 139.3 | 127.2 |
| 30°   | 189.1 | 190.2 | 187.0 | 180.4 | 169.3 | 160.9 | 157.5 | 153.1 | 152.5 | 144.0 | 130.2 |
| 32.5° | 210.5 | 210.6 | 207.5 | 198.4 | 184.0 | 170.7 | 164.9 | 159.4 | 158.9 | 149.4 | 134.3 |
| 35°   | 222.9 | 223.4 | 222.0 | 213.5 | 197.1 | 181.4 | 173.7 | 167.1 | 166.8 | 156.3 | 139.3 |
| 37.5° | 235.8 | 236.9 | 234.8 | 225.4 | 207.1 | 191.4 | 183.6 | 176.4 | 176.0 | 164.1 | 145.7 |
| 40°   | 254.9 | 254.4 | 252.1 | 238.3 | 216.5 | 199.8 | 193.3 | 187.6 | 186.7 | 173.7 | 152.1 |
| 42.5° | 268.7 | 269.9 | 265.0 | 249.5 | 226.7 | 208.1 | 203.1 | 196.6 | 195.5 | 179.5 | 155.9 |
| 45°   | 273.3 | 272.2 | 266.8 | 255.4 | 240.1 | 215.7 | 212.3 | 207.4 | 206.2 | 189.8 | 163.4 |
| 47.5° | 274.4 | 272.3 | 267.5 | 258.9 | 251.5 | 225.6 | 223.5 | 222.4 | 220.8 | 202.7 | 172.3 |
| 50°   | 268.2 | 266.8 | 264.5 | 260.2 | 258.8 | 234.8 | 235.8 | 240.0 | 238.6 | 216.6 | 182.3 |
| 52.5° | 254.1 | 253.5 | 255.5 | 258.3 | 254.6 | 242.8 | 250.3 | 258.8 | 258.3 | 231.9 | 193.1 |
| 55°   | 227.7 | 227.7 | 239.1 | 248.8 | 251.0 | 247.9 | 266.0 | 280.6 | 279.9 | 249.1 | 203.3 |
| 57.5° | 203.6 | 203.9 | 213.4 | 235.3 | 244.4 | 253.5 | 283.5 | 303.3 | 302.3 | 268.4 | 214.1 |
| 60°   | 173.1 | 173.1 | 187.5 | 214.9 | 234.9 | 257.8 | 298.9 | 325.3 | 325.9 | 287.1 | 224.7 |
| 62.5° | 137.1 | 137.4 | 157.4 | 189.6 | 221.3 | 258.6 | 311.2 | 346.0 | 345.9 | 304.1 | 232.9 |
| 65°   | 101.0 | 101.1 | 128.3 | 161.6 | 200.8 | 253.2 | 317.9 | 362.0 | 362.7 | 317.5 | 237.7 |
| 67.5° | 65.6  | 66.9  | 94.4  | 131.1 | 171.8 | 238.2 | 314.3 | 370.4 | 371.3 | 323.7 | 236.2 |
| 68°   | 61.4  | 61.7  | 89.4  | 122.8 | 164.0 | 234.4 | 312.7 | 370.8 | 371.6 | 323.5 | 234.7 |
| 70°   | 39.8  | 39.8  | 64.0  | 95.8  | 130.9 | 210.8 | 298.4 | 364.9 | 365.8 | 318.0 | 223.7 |
| 72.5° | 21.5  | 21.9  | 36.5  | 58.0  | 89.4  | 163.1 | 269.3 | 333.9 | 335.4 | 287.5 | 195.6 |
| 75°   | 15.0  | 15.3  | 21.2  | 32.5  | 48.7  | 106.2 | 210.5 | 255.1 | 254.9 | 198.6 | 122.5 |
| 77.5° | 10.9  | 10.9  | 12.1  | 20.2  | 25.5  | 48.6  | 104.2 | 122.9 | 121.5 | 97.0  | 61.8  |
| 80°   | 7.1   | 7.1   | 7.6   | 10.6  | 12.3  | 14.8  | 31.9  | 53.2  | 54.2  | 47.3  | 30.8  |
| 82.5° | 2.9   | 3.0   | 3.3   | 4.3   | 4.4   | 6.2   | 9.1   | 15.3  | 14.8  | 12.0  | 8.7   |
| 85°   | 0.4   | 0.4   | 0.5   | 0.6   | 0.8   | 1.4   | 1.3   | 1.3   | 1.3   | 1.5   | 1.4   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.3   | 0.4   | 0.4   | 0.5   | 0.4   |
| 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):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 |
| 2.5°  | 109.2 | 109.2 | 108.5 | 107.7 | 107.0 | 106.3 | 105.4 | 104.8 | 104.9 | 105.3 | 105.2 |
| 5°    | 109.9 | 109.2 | 107.7 | 106.1 | 104.8 | 103.7 | 102.0 | 101.1 | 101.0 | 101.3 | 101.1 |
| 7.5°  | 110.2 | 109.2 | 107.0 | 104.4 | 102.4 | 100.9 | 98.6  | 97.7  | 97.4  | 97.5  | 97.5  |
| 10°   | 111.0 | 109.4 | 106.2 | 102.7 | 100.1 | 98.0  | 95.6  | 94.3  | 93.9  | 93.9  | 93.8  |
| 12.5° | 111.9 | 109.6 | 105.4 | 101.1 | 97.9  | 95.3  | 92.5  | 91.2  | 90.8  | 90.8  | 90.7  |
| 15°   | 112.8 | 110.0 | 104.7 | 99.5  | 95.7  | 92.7  | 90.0  | 88.4  | 87.9  | 87.9  | 88.1  |
| 17.5° | 113.9 | 110.4 | 103.9 | 98.0  | 93.4  | 90.0  | 87.2  | 85.6  | 85.0  | 85.3  | 85.6  |
| 20°   | 115.1 | 111.1 | 103.2 | 96.3  | 91.2  | 87.6  | 84.8  | 83.2  | 82.6  | 83.2  | 83.3  |
| 22.5° | 116.7 | 111.8 | 102.3 | 94.4  | 88.9  | 85.0  | 82.4  | 80.9  | 80.5  | 81.2  | 81.7  |
| 25°   | 118.3 | 112.5 | 101.1 | 92.4  | 86.0  | 82.2  | 80.2  | 79.0  | 79.1  | 80.0  | 80.5  |
| 27.5° | 120.1 | 113.2 | 100.0 | 89.9  | 82.8  | 79.3  | 77.8  | 77.5  | 78.0  | 79.0  | 79.7  |
| 30°   | 122.3 | 114.0 | 98.5  | 87.0  | 79.3  | 76.1  | 75.5  | 76.2  | 77.1  | 78.1  | 78.8  |
| 32.5° | 125.0 | 115.2 | 97.0  | 83.7  | 75.6  | 72.7  | 73.7  | 75.4  | 76.4  | 77.4  | 78.0  |
| 35°   | 129.0 | 117.5 | 96.1  | 80.4  | 71.7  | 69.8  | 72.1  | 74.7  | 75.5  | 76.1  | 76.9  |
| 37.5° | 133.5 | 120.5 | 95.7  | 77.4  | 68.1  | 67.3  | 70.4  | 73.6  | 73.8  | 74.1  | 74.8  |
| 40°   | 137.9 | 122.8 | 94.7  | 74.1  | 64.5  | 64.5  | 68.4  | 71.4  | 71.3  | 70.9  | 71.4  |
| 42.5° | 139.7 | 122.5 | 91.8  | 70.9  | 61.6  | 61.7  | 65.2  | 68.1  | 67.4  | 67.4  | 68.1  |
| 45°   | 144.8 | 124.5 | 89.6  | 68.4  | 58.9  | 58.4  | 61.2  | 63.5  | 64.7  | 66.4  | 67.1  |
| 47.5° | 151.2 | 127.3 | 88.0  | 65.5  | 56.4  | 54.7  | 56.3  | 60.1  | 62.2  | 64.0  | 64.6  |
| 50°   | 157.9 | 130.5 | 86.5  | 62.5  | 53.9  | 50.6  | 51.3  | 55.5  | 57.4  | 58.3  | 58.7  |
| 52.5° | 164.7 | 133.4 | 85.3  | 59.9  | 51.0  | 45.6  | 47.3  | 51.2  | 52.6  | 53.1  | 53.4  |
| 55°   | 170.8 | 135.8 | 84.3  | 57.8  | 47.7  | 41.7  | 43.0  | 47.0  | 48.0  | 48.6  | 48.9  |
| 57.5° | 177.3 | 138.4 | 83.7  | 55.8  | 44.0  | 38.3  | 39.2  | 42.9  | 44.3  | 44.8  | 45.1  |
| 60°   | 182.9 | 141.0 | 83.2  | 53.6  | 40.6  | 35.3  | 35.8  | 39.3  | 40.8  | 41.1  | 41.5  |
| 62.5° | 186.7 | 142.6 | 82.4  | 51.0  | 37.4  | 32.4  | 32.5  | 35.9  | 37.6  | 37.8  | 38.1  |
| 65°   | 187.8 | 142.2 | 80.2  | 47.4  | 34.3  | 29.5  | 29.5  | 32.7  | 34.5  | 35.4  | 35.8  |
| 67.5° | 184.7 | 139.1 | 75.4  | 42.9  | 31.2  | 26.8  | 26.8  | 29.7  | 31.6  | 32.6  | 33.0  |
| 68°   | 183.7 | 137.7 | 73.8  | 41.7  | 30.5  | 26.2  | 26.2  | 29.2  | 31.0  | 31.9  | 32.1  |
| 70°   | 175.1 | 130.9 | 66.9  | 37.4  | 28.1  | 24.3  | 24.3  | 26.9  | 28.8  | 28.8  | 28.7  |
| 72.5° | 152.1 | 113.4 | 55.0  | 31.4  | 24.5  | 21.5  | 21.9  | 24.4  | 25.0  | 25.7  | 25.5  |
| 75°   | 94.2  | 67.9  | 36.9  | 24.8  | 20.6  | 18.8  | 19.6  | 21.9  | 22.3  | 23.6  | 23.3  |
| 77.5° | 47.2  | 33.3  | 19.6  | 14.4  | 15.9  | 16.2  | 17.6  | 19.2  | 20.4  | 21.9  | 20.9  |
| 80°   | 23.3  | 16.2  | 11.5  | 9.0   | 9.4   | 11.9  | 15.3  | 16.6  | 18.6  | 19.6  | 18.7  |
| 82.5° | 6.4   | 4.9   | 4.7   | 4.9   | 7.0   | 9.2   | 12.0  | 14.7  | 17.3  | 18.2  | 16.9  |
| 85°   | 1.1   | 0.9   | 0.8   | 2.4   | 4.8   | 6.8   | 9.7   | 13.0  | 15.6  | 14.9  | 14.0  |
| 87.5° | 0.4   | 0.3   | 0.3   | 1.5   | 3.5   | 5.6   | 8.3   | 11.6  | 13.3  | 12.0  | 10.7  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)