

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: P1211886

Luminaire Tested: **GKO-PB1A-735-U-T2R**

Issue Date: 11/5/2025



**Test Information**

Test Method: LM-79-08  
Report Number: P1211886  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1A-735-U-T2R  
Description: GEKKO WALL PACK 750LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE II  
ROADWAY DISTRIBUTION OPTIC  
Light Source: (10) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

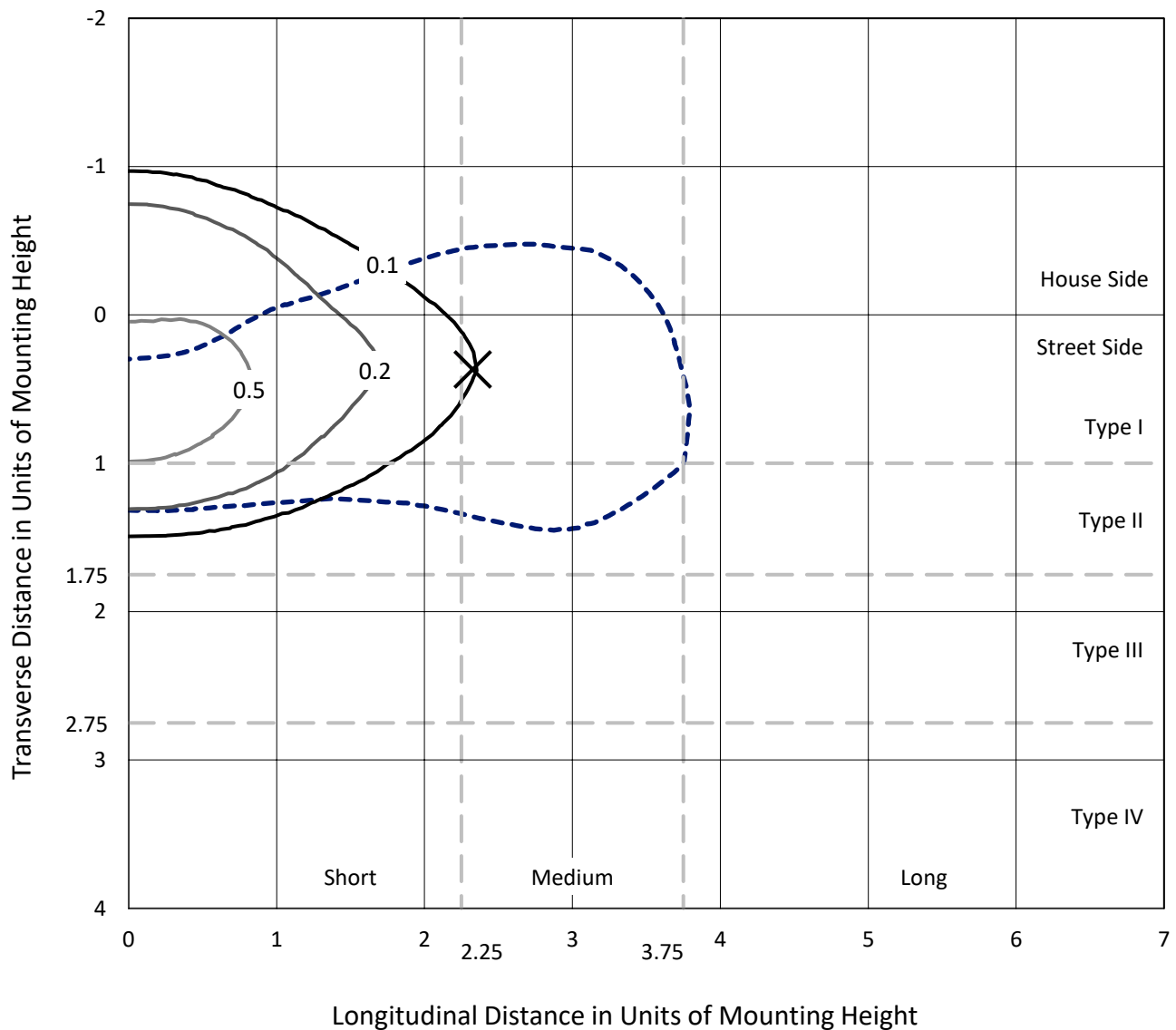
Lumens per Lamp: N/A  
Luminaire Lumens: 745.8 lumens  
Efficiency: N/A  
Efficacy: 155.4 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G0

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

REPORT NUMBER: P1211886  
 CATALOG NUMBER: GKO-PB1A-735-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

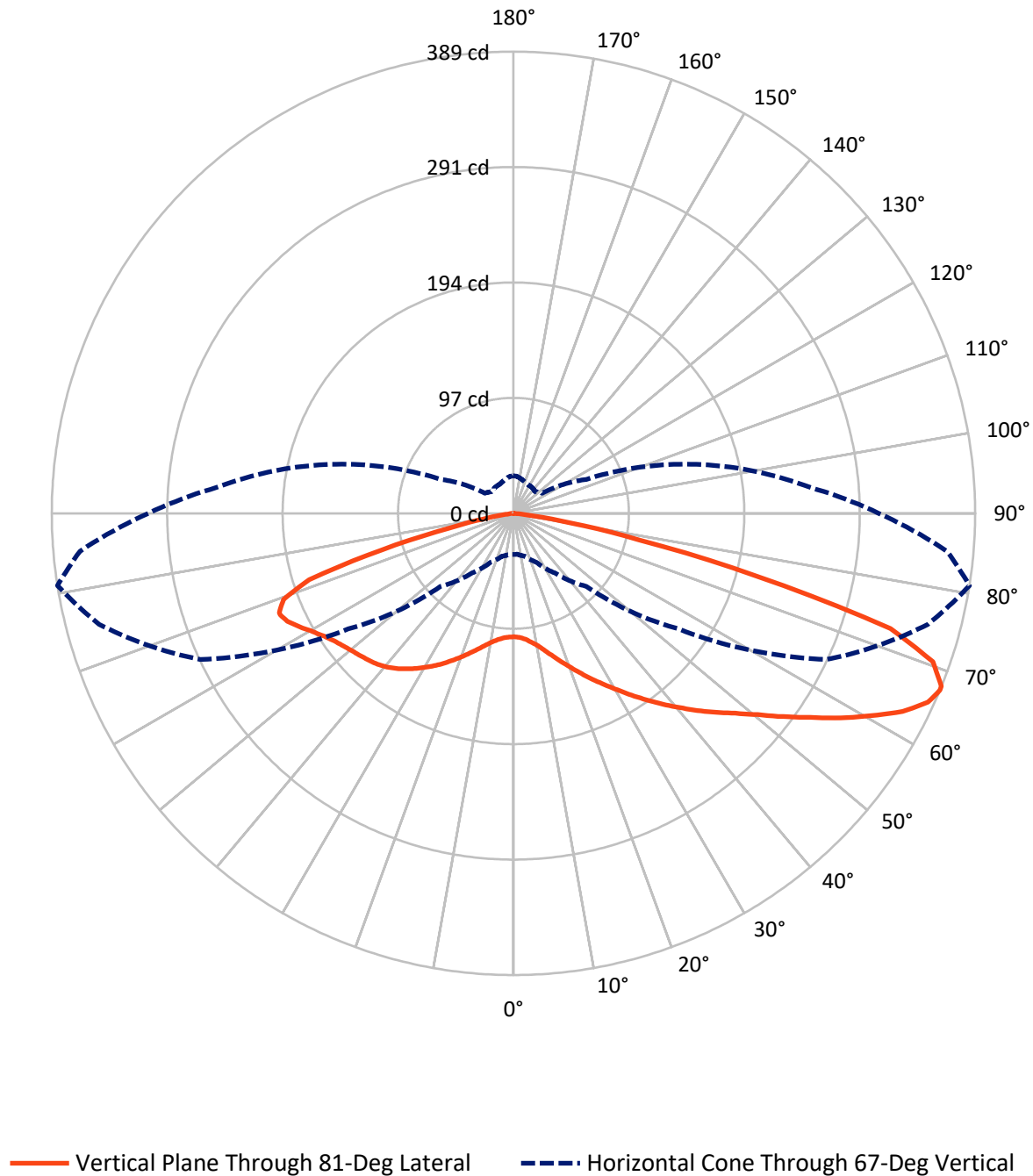
× Max cd  
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P1211886  
CATALOG NUMBER: GKO-PB1A-735-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P1211886

CATALOG NUMBER: GKO-PB1A-735-U-T2R

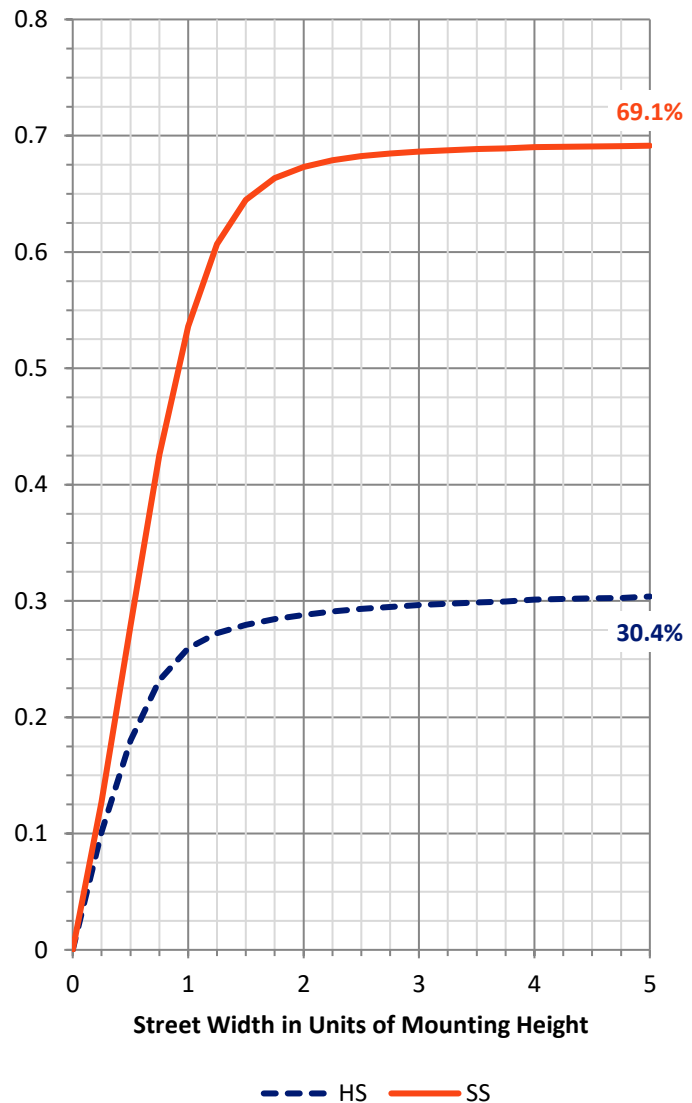
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| <b>House Side</b>  | Lumens    | 230.3    | 0.0    | 230.3 |
|                    | % Fixture | 30.9     | 0.0    | 30.9  |
| <b>Street Side</b> | Lumens    | 515.5    | 0.0    | 515.5 |
|                    | % Fixture | 69.1     | 0.0    | 69.1  |
| <b>Total</b>       | Lumens    | 745.8    | 0.0    | 745.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0 |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.8   | 1.4       |
| 10°-20°   | 39.0   | 5.2       |
| 20°-30°   | 78.9   | 10.6      |
| 30°-40°   | 124.4  | 16.7      |
| 40°-50°   | 152.8  | 20.5      |
| 50°-60°   | 146.0  | 19.6      |
| 60°-70°   | 122.4  | 16.4      |
| 70°-80°   | 64.8   | 8.7       |
| 80°-90°   | 6.7    | 0.9       |
| 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°    | 745.8  | 100.0     |
| 0°-180°   | 745.8  | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1211886

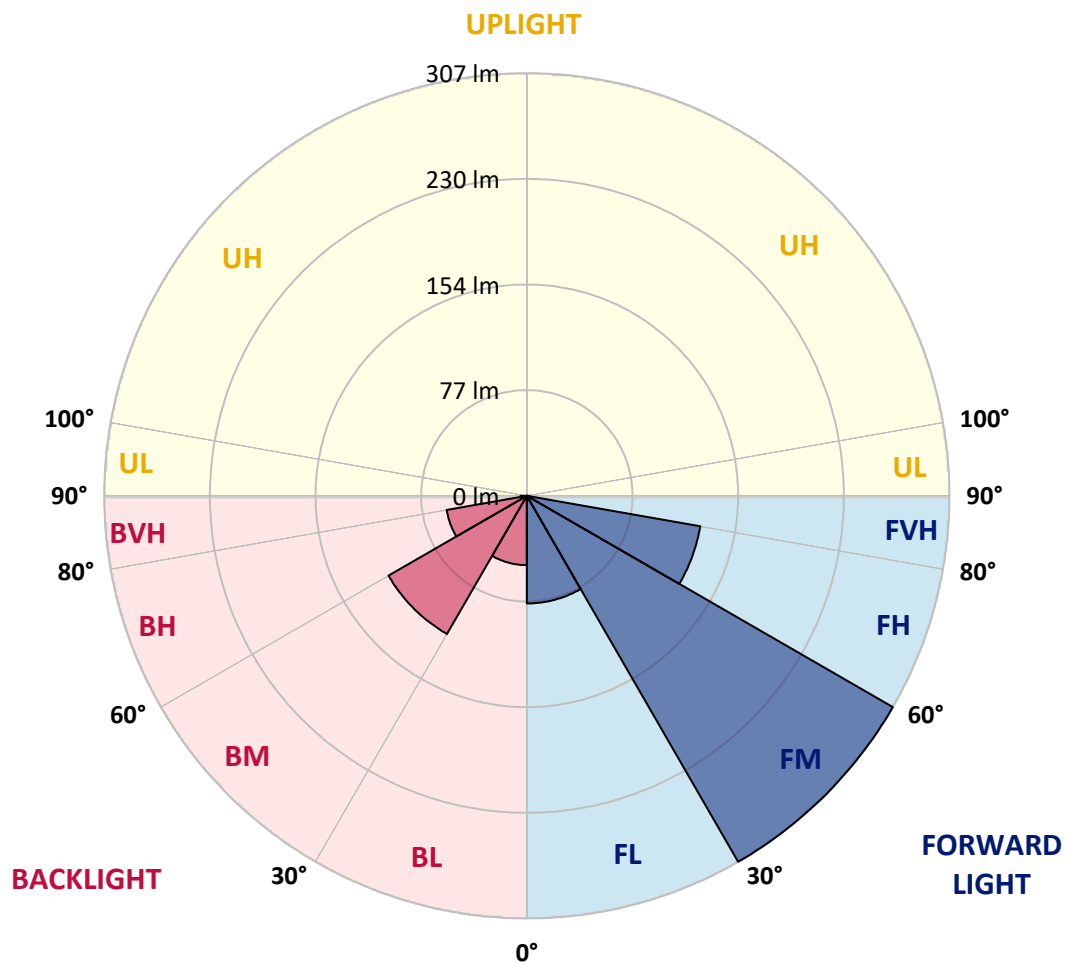
CATALOG NUMBER: GKO-PB1A-735-U-T2R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 78.2   | 10.5      |                         |      |        |
| FM   | (30°-60°)   | 307.2  | 41.2      |                         |      |        |
| FH   | (60°-80°)   | 128.0  | 17.2      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 2.1    | 0.3       |                         |      | G0/10  |
| BL   | (0°-30°)    | 50.4   | 6.8       | B0/110                  |      |        |
| BM   | (30°-60°)   | 116.0  | 15.6      | B0/220                  |      |        |
| BH   | (60°-80°)   | 59.2   | 7.9       | B0/110                  |      | G0/110 |
| BVH  | (80°-90°)   | 4.6    | 0.6       |                         |      | 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 II Medium



REPORT NUMBER: P1211886

CATALOG NUMBER: GKO-PB1A-735-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 81°   | 85°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 |
| 2.5°  | 109.9 | 110.2 | 109.6 | 109.5 | 108.9 | 108.0 | 107.0 | 106.3 | 105.2 | 104.6 | 104.3 |
| 5°    | 120.3 | 119.7 | 119.3 | 118.6 | 116.6 | 114.9 | 112.0 | 110.0 | 107.9 | 106.5 | 106.0 |
| 7.5°  | 133.0 | 133.3 | 131.9 | 130.0 | 127.1 | 123.7 | 119.2 | 115.4 | 111.5 | 109.6 | 108.7 |
| 10°   | 146.8 | 148.0 | 146.6 | 144.3 | 138.9 | 133.7 | 128.1 | 121.7 | 116.3 | 113.4 | 112.3 |
| 12.5° | 163.7 | 164.4 | 162.5 | 159.5 | 153.0 | 145.3 | 137.4 | 129.4 | 122.3 | 118.7 | 116.7 |
| 15°   | 182.5 | 181.9 | 180.1 | 175.7 | 167.2 | 158.7 | 148.0 | 137.6 | 129.1 | 124.7 | 121.9 |
| 17.5° | 201.9 | 201.2 | 198.8 | 193.1 | 183.5 | 172.8 | 160.1 | 147.0 | 136.4 | 131.6 | 127.7 |
| 20°   | 220.5 | 219.8 | 218.1 | 211.6 | 200.1 | 186.9 | 172.1 | 157.8 | 144.7 | 138.7 | 134.4 |
| 22.5° | 241.0 | 240.5 | 237.7 | 229.9 | 217.5 | 203.1 | 185.8 | 168.8 | 153.7 | 146.6 | 141.4 |
| 25°   | 263.3 | 263.4 | 260.4 | 249.4 | 235.5 | 218.6 | 200.5 | 181.2 | 163.8 | 154.8 | 149.0 |
| 27.5° | 289.3 | 289.1 | 284.0 | 272.1 | 254.6 | 235.2 | 215.1 | 194.2 | 173.8 | 163.3 | 156.5 |
| 30°   | 312.8 | 312.2 | 306.5 | 294.7 | 274.4 | 252.6 | 230.5 | 206.8 | 185.1 | 172.5 | 164.4 |
| 32.5° | 330.2 | 330.4 | 325.7 | 312.7 | 292.8 | 269.6 | 244.9 | 220.9 | 195.9 | 182.5 | 173.5 |
| 35°   | 342.8 | 342.9 | 338.4 | 327.2 | 308.7 | 285.4 | 260.1 | 234.2 | 208.1 | 192.8 | 183.1 |
| 37.5° | 346.8 | 346.8 | 343.8 | 335.1 | 319.9 | 299.7 | 275.1 | 249.3 | 220.2 | 203.9 | 192.8 |
| 40°   | 341.3 | 341.8 | 341.6 | 335.9 | 325.5 | 309.5 | 289.0 | 263.9 | 233.7 | 214.9 | 202.6 |
| 42.5° | 329.1 | 329.4 | 329.8 | 327.6 | 324.4 | 314.8 | 300.1 | 278.7 | 247.3 | 226.9 | 212.3 |
| 45°   | 308.8 | 310.0 | 312.1 | 312.9 | 314.2 | 313.5 | 307.0 | 292.5 | 262.4 | 238.9 | 221.9 |
| 47.5° | 283.1 | 285.0 | 287.8 | 293.0 | 300.1 | 305.8 | 308.7 | 303.2 | 277.1 | 251.3 | 232.6 |
| 50°   | 247.4 | 249.4 | 257.2 | 267.9 | 282.0 | 293.1 | 304.0 | 311.2 | 293.5 | 266.4 | 244.6 |
| 52.5° | 198.1 | 202.4 | 215.3 | 235.9 | 260.1 | 276.7 | 294.0 | 315.1 | 310.2 | 284.3 | 258.9 |
| 55°   | 150.7 | 152.3 | 169.0 | 193.6 | 231.0 | 259.0 | 280.3 | 313.1 | 325.9 | 303.0 | 275.1 |
| 57.5° | 105.3 | 107.0 | 121.6 | 148.6 | 189.9 | 235.9 | 266.6 | 306.4 | 340.2 | 324.9 | 293.8 |
| 60°   | 74.8  | 76.6  | 87.5  | 107.5 | 147.6 | 202.2 | 253.9 | 297.8 | 352.6 | 345.8 | 315.4 |
| 62.5° | 54.4  | 55.4  | 61.1  | 77.9  | 106.6 | 158.1 | 235.7 | 292.3 | 361.3 | 367.5 | 337.5 |
| 65°   | 41.7  | 42.7  | 46.0  | 56.5  | 78.8  | 115.6 | 203.2 | 292.1 | 363.6 | 383.4 | 356.6 |
| 67°   | 34.7  | 34.5  | 37.4  | 45.4  | 61.5  | 86.9  | 169.7 | 291.0 | 361.0 | 388.6 | 366.3 |
| 67.5° | 32.8  | 33.4  | 35.7  | 42.4  | 58.1  | 80.1  | 162.4 | 289.1 | 360.2 | 388.4 | 367.0 |
| 70°   | 26.1  | 26.3  | 28.3  | 33.5  | 43.7  | 58.1  | 116.9 | 270.9 | 347.2 | 374.5 | 359.0 |
| 72.5° | 19.1  | 19.0  | 22.0  | 25.4  | 33.4  | 42.2  | 78.3  | 227.5 | 319.1 | 331.8 | 319.2 |
| 75°   | 14.1  | 14.0  | 15.6  | 19.4  | 23.8  | 31.5  | 50.8  | 148.4 | 216.1 | 211.1 | 194.9 |
| 77.5° | 9.4   | 9.7   | 11.1  | 14.3  | 17.0  | 19.6  | 25.4  | 68.4  | 119.0 | 107.6 | 103.6 |
| 80°   | 5.7   | 5.3   | 6.3   | 8.1   | 9.8   | 10.0  | 10.8  | 29.5  | 51.1  | 48.7  | 45.7  |
| 82.5° | 2.0   | 2.0   | 2.4   | 3.3   | 3.3   | 3.3   | 4.0   | 7.1   | 10.1  | 9.3   | 8.8   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.4   | 0.3   | 0.6   | 1.0   | 1.1   | 1.1   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.3   | 0.4   | 0.6   | 0.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P1211886

CATALOG NUMBER: GKO-PB1A-735-U-T2R

**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 | 103.9 |
| 2.5°  | 104.3 | 104.3 | 103.9 | 103.3 | 103.0 | 102.9 | 102.5 | 101.9 | 102.3 | 102.7 | 102.7 |
| 5°    | 105.7 | 105.5 | 104.6 | 104.0 | 103.6 | 103.6 | 103.0 | 102.9 | 103.3 | 103.7 | 103.6 |
| 7.5°  | 108.0 | 107.5 | 106.5 | 105.6 | 105.7 | 105.9 | 105.0 | 105.0 | 105.5 | 105.9 | 105.9 |
| 10°   | 111.2 | 110.2 | 109.2 | 108.5 | 108.6 | 108.7 | 107.9 | 107.6 | 108.0 | 108.5 | 108.7 |
| 12.5° | 115.2 | 113.9 | 112.7 | 112.0 | 111.9 | 112.0 | 111.2 | 110.9 | 110.9 | 111.2 | 111.2 |
| 15°   | 119.9 | 118.4 | 117.0 | 116.0 | 115.7 | 115.6 | 114.4 | 113.4 | 113.4 | 113.6 | 113.6 |
| 17.5° | 125.3 | 123.3 | 121.4 | 120.3 | 119.6 | 118.6 | 117.3 | 115.9 | 115.4 | 115.6 | 115.6 |
| 20°   | 130.7 | 128.6 | 126.2 | 124.6 | 123.2 | 121.4 | 119.4 | 117.6 | 116.7 | 116.7 | 116.6 |
| 22.5° | 137.0 | 134.1 | 130.9 | 128.7 | 126.2 | 123.3 | 120.4 | 118.0 | 117.2 | 116.9 | 116.9 |
| 25°   | 143.4 | 140.1 | 135.4 | 132.1 | 128.4 | 124.3 | 120.6 | 117.3 | 115.9 | 115.3 | 115.3 |
| 27.5° | 150.0 | 146.1 | 140.0 | 135.3 | 129.9 | 124.2 | 119.2 | 115.0 | 113.0 | 112.3 | 112.0 |
| 30°   | 157.4 | 151.8 | 144.0 | 137.6 | 130.1 | 122.9 | 116.4 | 111.6 | 108.6 | 106.9 | 107.0 |
| 32.5° | 165.1 | 158.1 | 147.7 | 139.0 | 129.7 | 120.4 | 112.3 | 106.2 | 102.3 | 100.7 | 100.2 |
| 35°   | 173.0 | 164.1 | 151.0 | 139.7 | 128.3 | 116.7 | 107.0 | 100.2 | 95.9  | 93.6  | 93.6  |
| 37.5° | 180.9 | 170.4 | 153.3 | 139.6 | 125.7 | 111.9 | 100.9 | 93.6  | 88.6  | 85.8  | 85.1  |
| 40°   | 188.8 | 176.2 | 155.0 | 138.4 | 121.9 | 106.0 | 94.3  | 86.5  | 79.8  | 76.1  | 75.5  |
| 42.5° | 196.5 | 181.1 | 155.8 | 136.6 | 117.3 | 99.6  | 86.9  | 76.3  | 69.9  | 66.5  | 66.4  |
| 45°   | 203.5 | 184.9 | 156.0 | 134.1 | 111.3 | 92.3  | 76.9  | 66.8  | 60.4  | 56.8  | 56.8  |
| 47.5° | 210.3 | 189.2 | 155.8 | 131.0 | 104.7 | 82.9  | 66.4  | 56.5  | 50.7  | 48.4  | 47.7  |
| 50°   | 218.6 | 193.5 | 155.7 | 127.1 | 96.3  | 71.6  | 56.1  | 47.7  | 42.7  | 40.4  | 40.4  |
| 52.5° | 227.0 | 198.5 | 156.0 | 121.7 | 86.3  | 60.6  | 46.9  | 39.5  | 36.2  | 34.8  | 34.7  |
| 55°   | 237.9 | 203.8 | 156.7 | 115.3 | 75.9  | 49.9  | 39.1  | 34.1  | 31.8  | 31.1  | 31.3  |
| 57.5° | 251.0 | 211.1 | 158.1 | 107.7 | 63.8  | 41.0  | 33.5  | 30.8  | 30.3  | 30.5  | 30.7  |
| 60°   | 266.0 | 220.0 | 160.1 | 99.2  | 53.1  | 34.1  | 30.3  | 29.7  | 30.3  | 31.4  | 31.5  |
| 62.5° | 283.4 | 230.9 | 162.7 | 89.6  | 42.5  | 30.0  | 28.8  | 29.3  | 29.7  | 31.5  | 31.7  |
| 65°   | 298.8 | 242.6 | 163.3 | 78.3  | 34.5  | 27.3  | 28.0  | 28.3  | 29.4  | 31.5  | 31.7  |
| 67°   | 307.5 | 250.6 | 159.4 | 67.6  | 29.5  | 25.8  | 26.8  | 27.1  | 29.1  | 31.3  | 31.5  |
| 67.5° | 308.5 | 252.3 | 156.8 | 64.9  | 28.5  | 25.5  | 26.5  | 27.1  | 29.1  | 31.3  | 31.4  |
| 70°   | 305.5 | 251.2 | 139.7 | 48.9  | 23.5  | 23.5  | 24.7  | 26.0  | 28.0  | 30.3  | 31.3  |
| 72.5° | 278.8 | 229.0 | 108.2 | 33.2  | 20.0  | 21.3  | 23.0  | 24.8  | 26.7  | 29.4  | 31.1  |
| 75°   | 176.2 | 147.4 | 66.2  | 22.3  | 16.7  | 19.0  | 21.7  | 23.8  | 25.4  | 27.4  | 28.5  |
| 77.5° | 94.2  | 72.9  | 28.5  | 13.1  | 13.1  | 16.8  | 20.1  | 22.1  | 23.0  | 23.7  | 24.4  |
| 80°   | 44.5  | 34.0  | 13.8  | 7.8   | 9.1   | 13.1  | 17.8  | 20.0  | 20.3  | 21.1  | 21.4  |
| 82.5° | 8.8   | 7.7   | 4.6   | 4.1   | 6.0   | 9.4   | 14.8  | 17.3  | 17.4  | 18.8  | 19.1  |
| 85°   | 1.1   | 1.0   | 0.7   | 1.6   | 3.9   | 7.0   | 11.4  | 14.8  | 15.1  | 15.1  | 14.8  |
| 87.5° | 0.6   | 0.4   | 0.4   | 1.1   | 2.9   | 5.3   | 9.4   | 12.4  | 12.6  | 9.8   | 9.6   |
| 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)