

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: P1212014

Luminaire Tested: **GKO-PB1C-827-U-T1**

Issue Date: 11/5/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212014  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1C-827-U-T1  
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC  
Light Source: (10) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2292.4 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B1 - U0 - G1

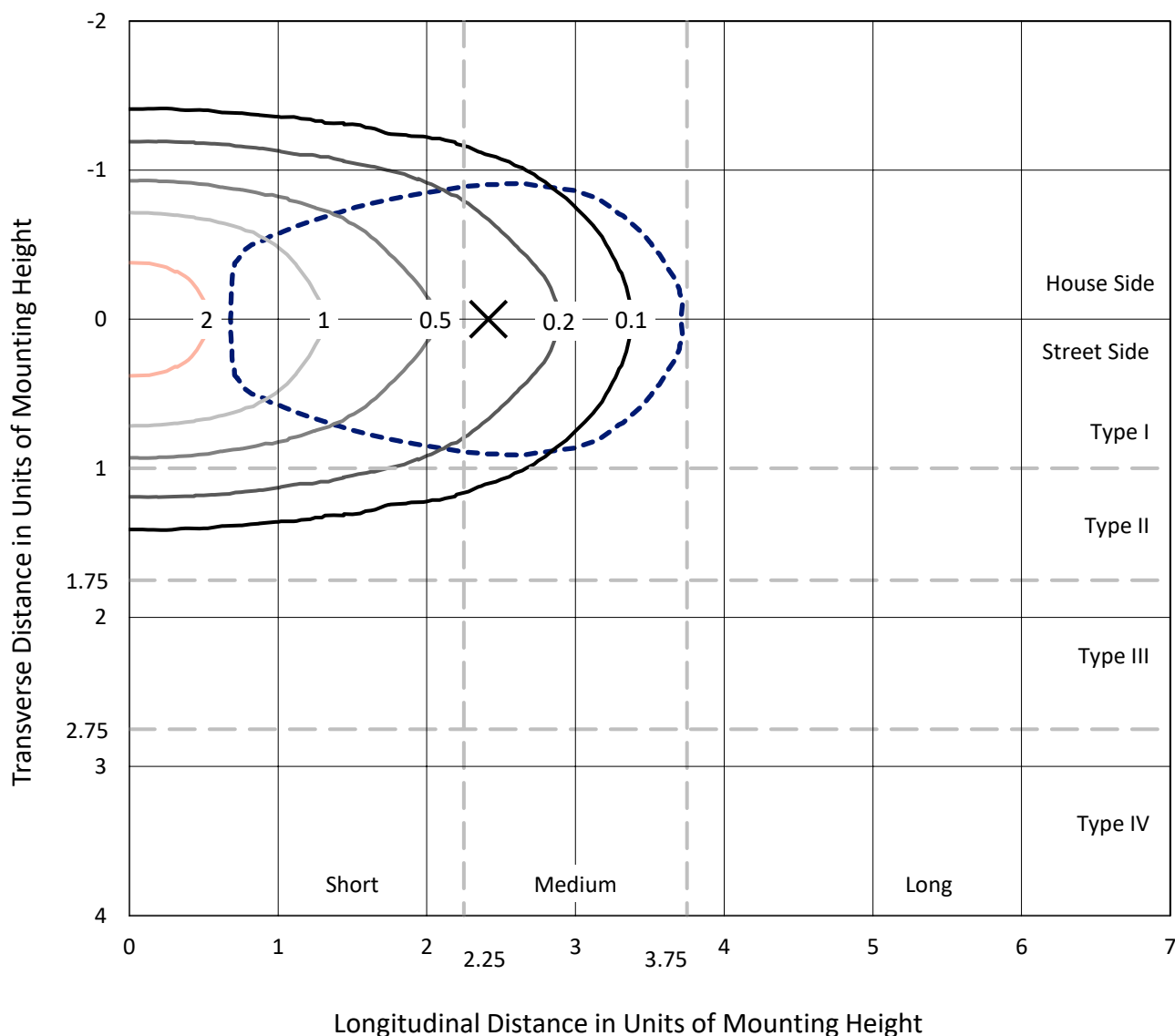
Input Watts (W): 17  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 13%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

REPORT NUMBER: P1212014  
 CATALOG NUMBER: GKO-PB1C-827-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

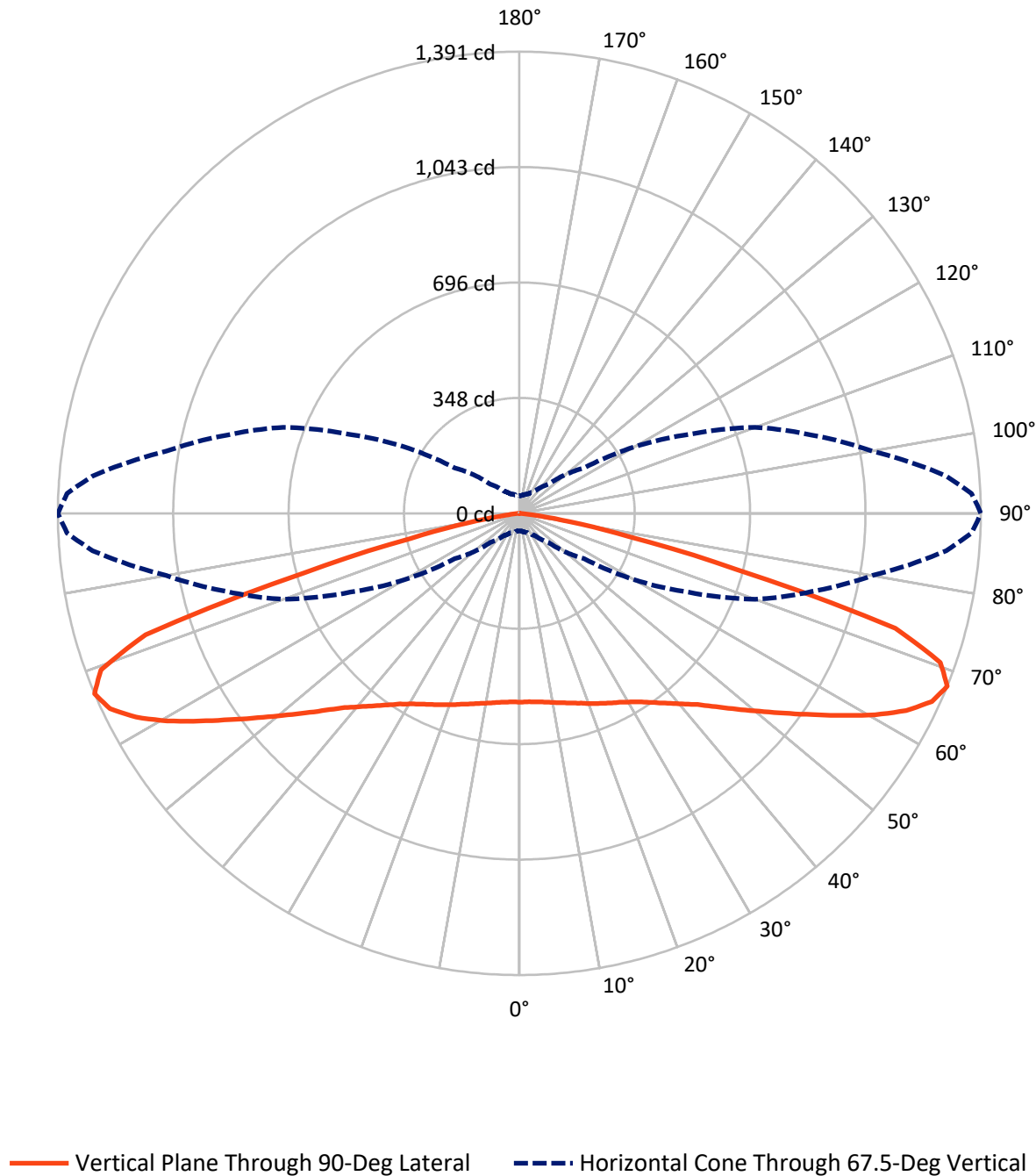
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type I - Short - N/A

REPORT NUMBER: P1212014  
CATALOG NUMBER: GKO-PB1C-827-U-T1

## Luminous Intensity Polar Plot



REPORT NUMBER: P1212014

CATALOG NUMBER: GKO-PB1C-827-U-T1

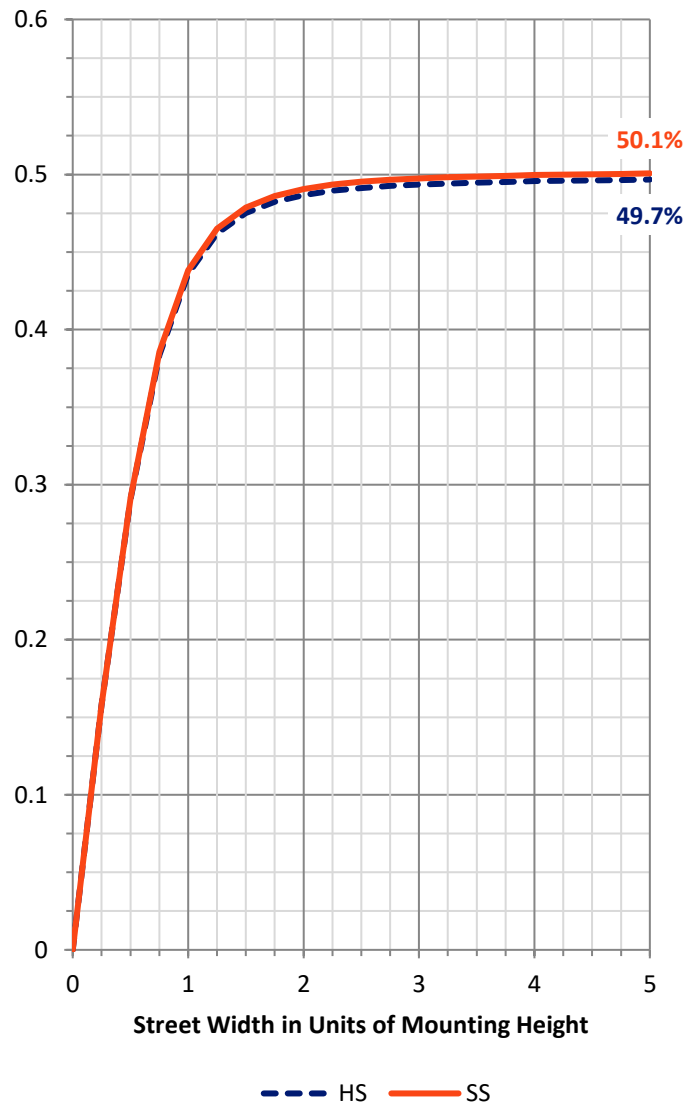
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1146.2   | 0.0    | 1146.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1146.2   | 0.0    | 1146.2 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2292.4   | 0.0    | 2292.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.6   | 2.4       |
| 10°-20°   | 164.4  | 7.2       |
| 20°-30°   | 273.4  | 11.9      |
| 30°-40°   | 363.1  | 15.8      |
| 40°-50°   | 409.4  | 17.9      |
| 50°-60°   | 421.0  | 18.4      |
| 60°-70°   | 397.8  | 17.4      |
| 70°-80°   | 194.8  | 8.5       |
| 80°-90°   | 13.9   | 0.6       |
| 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°    | 2292.4 | 100.0     |
| 0°-180°   | 2292.4 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1212014

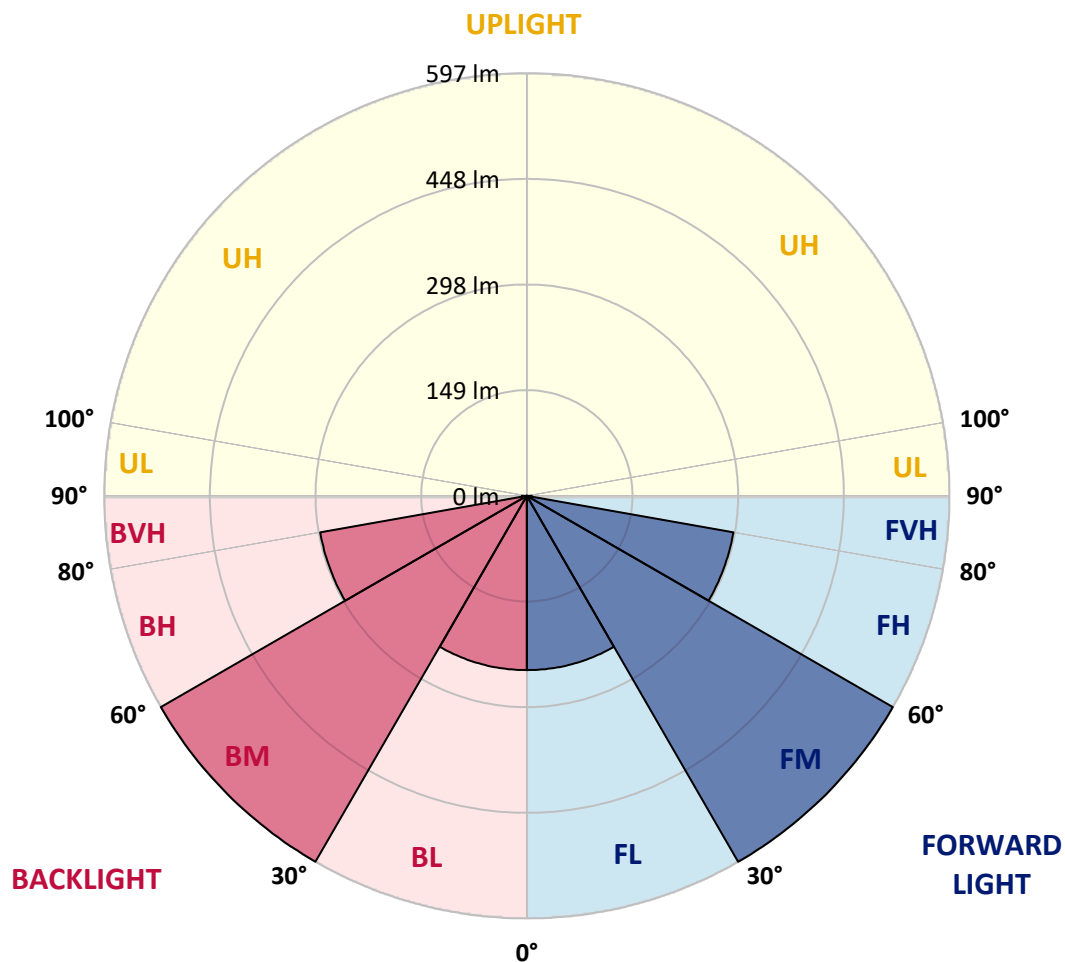
CATALOG NUMBER: GKO-PB1C-827-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 246.2  | 10.7      |                         |      |        |
| FM   | (30°-60°)   | 596.8  | 26.0      |                         |      |        |
| FH   | (60°-80°)   | 296.3  | 12.9      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 7.0    | 0.3       |                         |      | G0/10  |
| BL   | (0°-30°)    | 246.2  | 10.7      | B1/500                  |      |        |
| BM   | (30°-60°)   | 596.8  | 26.0      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 296.3  | 12.9      | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 7.0    | 0.3       |                         |      | G0/10  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G1**

Type I Short





REPORT NUMBER: P1212014

CATALOG NUMBER: GKO-PB1C-827-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 70°   | 75°   | 80°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8 | 568.8  |
| 2.5°  | 569.2 | 570.1 | 568.4 | 568.4 | 569.2 | 569.7 | 569.7 | 570.1 | 569.2 | 569.2 | 568.8  |
| 5°    | 569.2 | 569.7 | 568.8 | 568.8 | 569.7 | 570.9 | 570.5 | 571.4 | 571.4 | 570.9 | 570.9  |
| 7.5°  | 568.8 | 569.7 | 568.8 | 569.2 | 570.5 | 573.0 | 573.0 | 573.0 | 573.9 | 574.7 | 574.7  |
| 10°   | 568.4 | 569.2 | 569.7 | 570.1 | 571.8 | 575.6 | 576.4 | 576.9 | 578.1 | 579.4 | 579.4  |
| 12.5° | 566.3 | 567.1 | 568.4 | 570.1 | 573.0 | 578.1 | 579.8 | 581.1 | 583.2 | 584.5 | 585.3  |
| 15°   | 563.3 | 563.8 | 566.7 | 570.1 | 574.7 | 581.1 | 584.5 | 586.6 | 589.5 | 591.2 | 592.5  |
| 17.5° | 559.1 | 559.5 | 564.2 | 569.2 | 576.0 | 584.9 | 590.4 | 593.8 | 596.7 | 599.2 | 600.9  |
| 20°   | 553.6 | 554.9 | 560.4 | 568.4 | 578.1 | 588.7 | 596.7 | 602.6 | 605.6 | 608.1 | 610.7  |
| 22.5° | 546.8 | 548.1 | 554.9 | 566.3 | 580.2 | 593.8 | 604.3 | 611.9 | 615.7 | 619.1 | 622.1  |
| 25°   | 536.7 | 538.4 | 546.4 | 561.2 | 581.1 | 599.2 | 612.8 | 622.5 | 625.9 | 630.1 | 632.6  |
| 27.5° | 521.1 | 522.3 | 532.1 | 551.1 | 578.5 | 605.2 | 622.5 | 633.9 | 637.7 | 642.4 | 644.9  |
| 30°   | 496.6 | 499.1 | 510.9 | 534.6 | 572.2 | 609.8 | 633.9 | 645.3 | 650.0 | 654.6 | 658.0  |
| 32.5° | 464.9 | 468.7 | 481.8 | 512.2 | 559.9 | 611.5 | 646.2 | 659.3 | 665.2 | 670.2 | 674.5  |
| 35°   | 425.6 | 429.4 | 445.0 | 483.5 | 540.5 | 608.1 | 658.4 | 675.3 | 682.5 | 689.3 | 694.3  |
| 37.5° | 380.8 | 384.1 | 403.2 | 447.1 | 512.6 | 597.6 | 668.1 | 693.1 | 702.8 | 711.7 | 718.4  |
| 40°   | 335.5 | 339.3 | 360.1 | 407.0 | 478.8 | 577.3 | 672.4 | 712.5 | 724.8 | 736.2 | 744.6  |
| 42.5° | 286.5 | 291.2 | 314.4 | 364.3 | 439.5 | 549.4 | 669.0 | 731.5 | 746.7 | 762.4 | 775.1  |
| 45°   | 243.0 | 243.8 | 269.2 | 317.4 | 396.4 | 513.5 | 657.1 | 749.7 | 770.4 | 792.4 | 810.5  |
| 47.5° | 201.2 | 202.8 | 224.8 | 272.6 | 351.6 | 472.9 | 635.6 | 764.1 | 797.0 | 825.3 | 852.0  |
| 50°   | 164.0 | 166.1 | 185.9 | 228.6 | 306.8 | 428.5 | 606.4 | 772.5 | 819.8 | 858.3 | 895.5  |
| 52.5° | 133.5 | 136.1 | 152.6 | 190.2 | 261.6 | 382.0 | 570.5 | 773.8 | 840.6 | 891.3 | 940.7  |
| 55°   | 111.1 | 112.8 | 125.5 | 155.5 | 218.1 | 333.9 | 529.5 | 767.4 | 854.1 | 920.8 | 986.8  |
| 57.5° | 93.8  | 95.5  | 104.4 | 128.0 | 178.8 | 284.4 | 479.7 | 752.7 | 861.3 | 946.6 | 1033.3 |
| 60°   | 81.6  | 82.8  | 89.2  | 106.1 | 147.1 | 237.9 | 426.0 | 726.5 | 859.1 | 962.7 | 1071.7 |
| 62.5° | 72.7  | 73.1  | 78.6  | 90.4  | 121.3 | 194.0 | 365.6 | 687.1 | 841.8 | 964.8 | 1097.9 |
| 65°   | 64.7  | 65.1  | 68.5  | 76.9  | 99.7  | 155.9 | 302.6 | 633.1 | 808.9 | 950.0 | 1101.7 |
| 67.5° | 52.4  | 53.2  | 58.3  | 64.7  | 82.0  | 123.4 | 238.3 | 562.1 | 757.3 | 911.6 | 1080.2 |
| 70°   | 41.8  | 42.3  | 47.3  | 54.5  | 66.8  | 97.2  | 183.0 | 466.6 | 676.6 | 849.0 | 1024.4 |
| 72.5° | 31.3  | 32.1  | 36.8  | 44.0  | 54.5  | 75.2  | 132.3 | 352.9 | 540.9 | 715.9 | 892.1  |
| 75°   | 24.9  | 25.4  | 27.0  | 33.8  | 42.3  | 57.1  | 89.2  | 213.8 | 325.8 | 442.9 | 546.8  |
| 77.5° | 21.1  | 21.6  | 21.6  | 26.2  | 31.3  | 38.5  | 47.3  | 84.9  | 137.8 | 196.1 | 259.9  |
| 80°   | 17.3  | 18.2  | 16.5  | 19.4  | 22.4  | 22.4  | 22.0  | 40.6  | 65.1  | 92.1  | 120.9  |
| 82.5° | 12.7  | 13.5  | 12.7  | 13.5  | 13.5  | 12.3  | 11.4  | 15.2  | 20.7  | 28.3  | 30.8   |
| 85°   | 8.9   | 9.3   | 10.1  | 9.3   | 8.9   | 7.2   | 5.5   | 4.2   | 2.5   | 3.0   | 4.2    |
| 87.5° | 5.9   | 7.2   | 8.5   | 8.0   | 6.8   | 5.5   | 3.8   | 2.5   | 1.3   | 1.7   | 1.7    |
| 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: P1212014  
 CATALOG NUMBER: GKO-PB1C-827-U-T1

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 87.5°  | 90°    |
|-------|--------|--------|--------|
| 0°    | 568.8  | 568.8  | 568.8  |
| 2.5°  | 569.2  | 568.8  | 568.4  |
| 5°    | 571.4  | 570.9  | 570.5  |
| 7.5°  | 574.3  | 574.3  | 574.3  |
| 10°   | 579.0  | 579.8  | 579.8  |
| 12.5° | 584.9  | 585.7  | 585.7  |
| 15°   | 592.1  | 592.5  | 593.3  |
| 17.5° | 600.9  | 601.4  | 601.4  |
| 20°   | 611.5  | 611.1  | 611.9  |
| 22.5° | 622.1  | 622.1  | 622.1  |
| 25°   | 633.1  | 633.1  | 633.1  |
| 27.5° | 645.7  | 645.7  | 644.9  |
| 30°   | 659.7  | 659.7  | 659.7  |
| 32.5° | 676.6  | 677.0  | 677.4  |
| 35°   | 698.1  | 699.0  | 700.3  |
| 37.5° | 722.6  | 724.8  | 726.0  |
| 40°   | 751.8  | 752.7  | 754.8  |
| 42.5° | 784.3  | 786.9  | 787.3  |
| 45°   | 824.9  | 829.1  | 830.8  |
| 47.5° | 872.7  | 878.6  | 881.5  |
| 50°   | 925.9  | 932.7  | 936.9  |
| 52.5° | 983.8  | 994.8  | 999.9  |
| 55°   | 1045.5 | 1064.5 | 1070.0 |
| 57.5° | 1115.2 | 1141.0 | 1148.6 |
| 60°   | 1183.7 | 1220.1 | 1232.3 |
| 62.5° | 1242.0 | 1293.2 | 1308.4 |
| 65°   | 1283.0 | 1344.7 | 1367.1 |
| 67.5° | 1291.5 | 1364.6 | 1391.2 |
| 70°   | 1240.8 | 1315.6 | 1346.4 |
| 72.5° | 1078.9 | 1146.5 | 1185.0 |
| 75°   | 637.3  | 685.9  | 674.0  |
| 77.5° | 319.9  | 333.9  | 336.0  |
| 80°   | 140.3  | 148.8  | 152.1  |
| 82.5° | 34.7   | 35.5   | 40.1   |
| 85°   | 4.6    | 5.5    | 5.1    |
| 87.5° | 1.7    | 1.7    | 2.1    |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)