

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: P1212044

Luminaire Tested: **GKO-PB1C-840-U-T1**

Issue Date: 11/5/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212044  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GKO-PB1C-840-U-T1  
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC  
Light Source: (10) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2497.8 lumens  
Efficiency: N/A  
Efficacy: 146.9 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

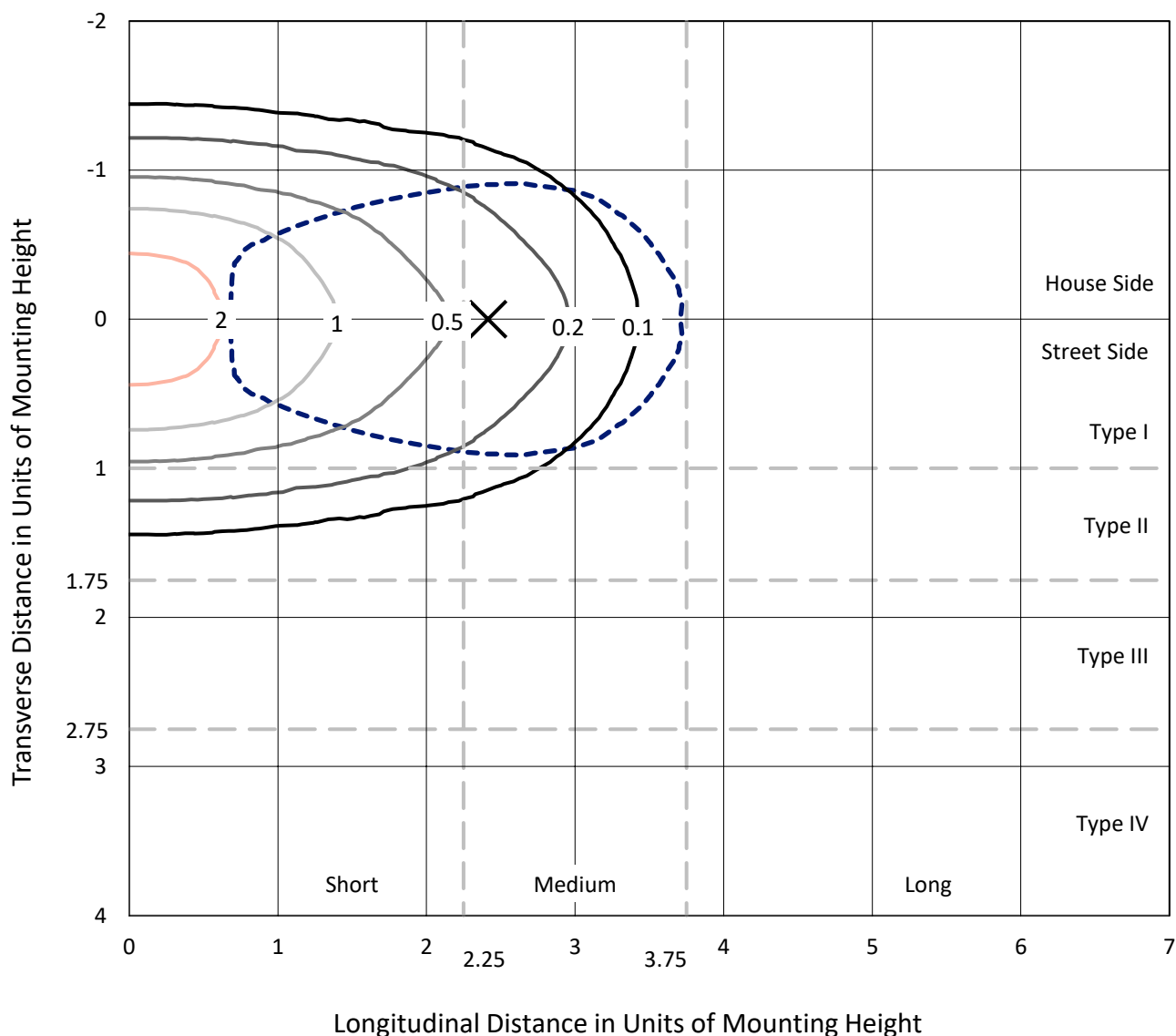
Input Watts (W): 17  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 13%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

REPORT NUMBER: P1212044  
 CATALOG NUMBER: GKO-PB1C-840-U-T1

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

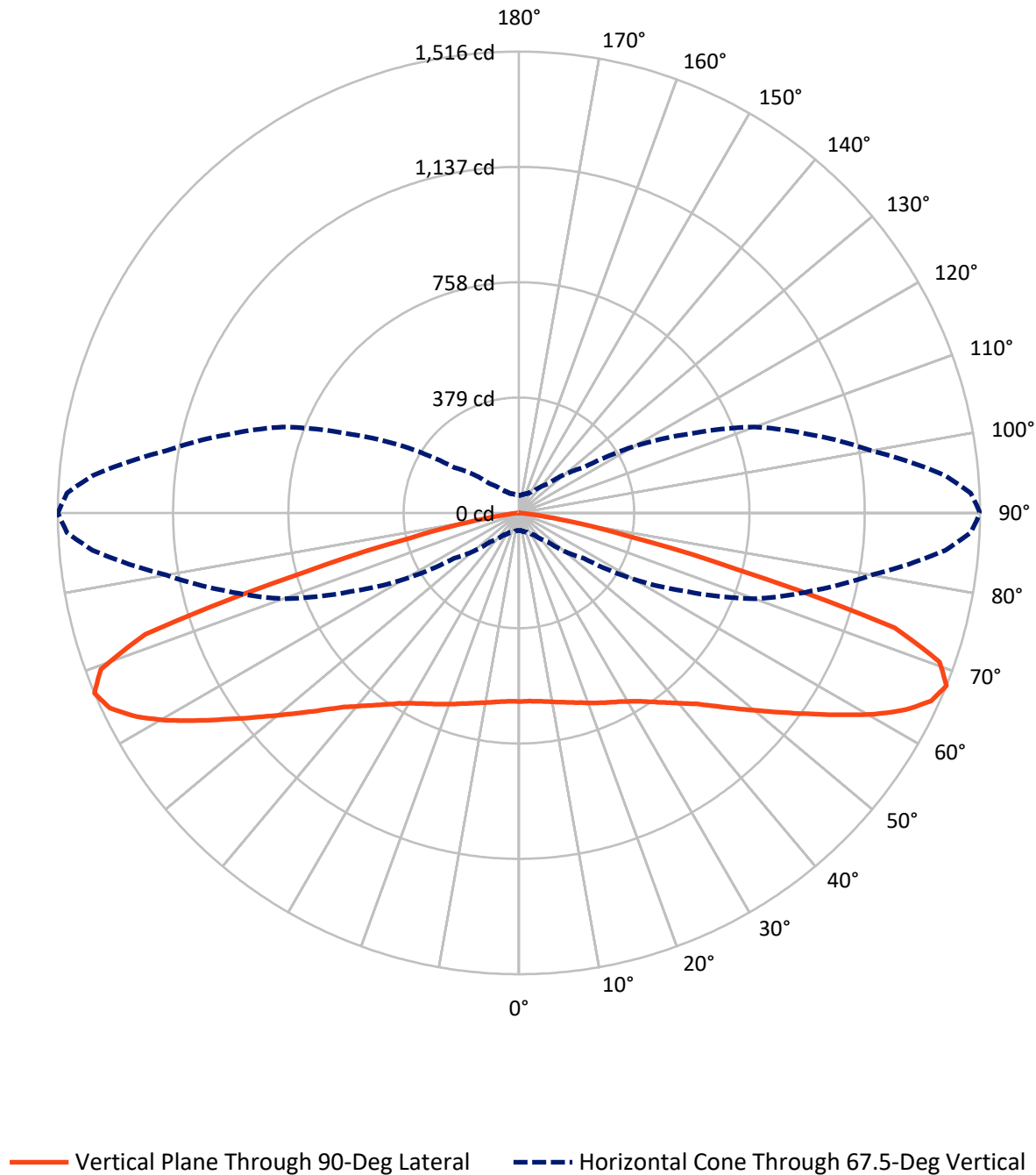


Based on 15 foot mounting height. Maximum calculated value = 2.8 fc

Type I - Short - N/A

REPORT NUMBER: P1212044  
CATALOG NUMBER: GKO-PB1C-840-U-T1

## Luminous Intensity Polar Plot



REPORT NUMBER: P1212044

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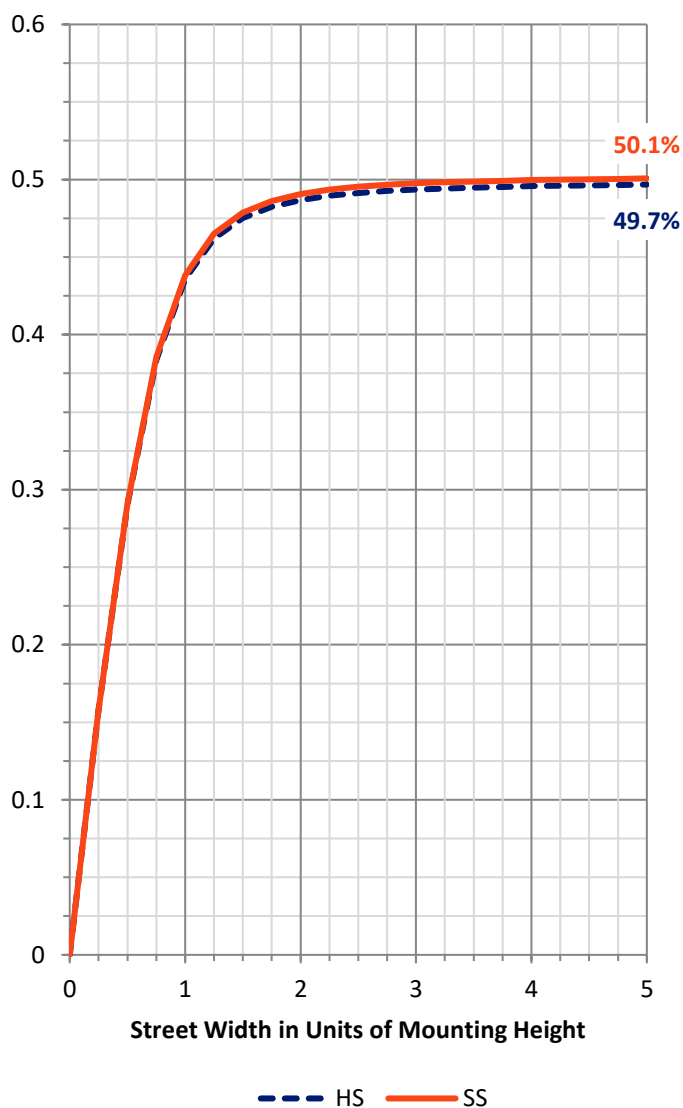
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1248.9   | 0.0    | 1248.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1248.9   | 0.0    | 1248.9 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2497.8   | 0.0    | 2497.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.4   | 2.4       |
| 10°-20°   | 179.1  | 7.2       |
| 20°-30°   | 297.9  | 11.9      |
| 30°-40°   | 395.7  | 15.8      |
| 40°-50°   | 446.1  | 17.9      |
| 50°-60°   | 458.7  | 18.4      |
| 60°-70°   | 433.5  | 17.4      |
| 70°-80°   | 212.2  | 8.5       |
| 80°-90°   | 15.2   | 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°    | 2497.8 | 100.0     |
| 0°-180°   | 2497.8 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1212044

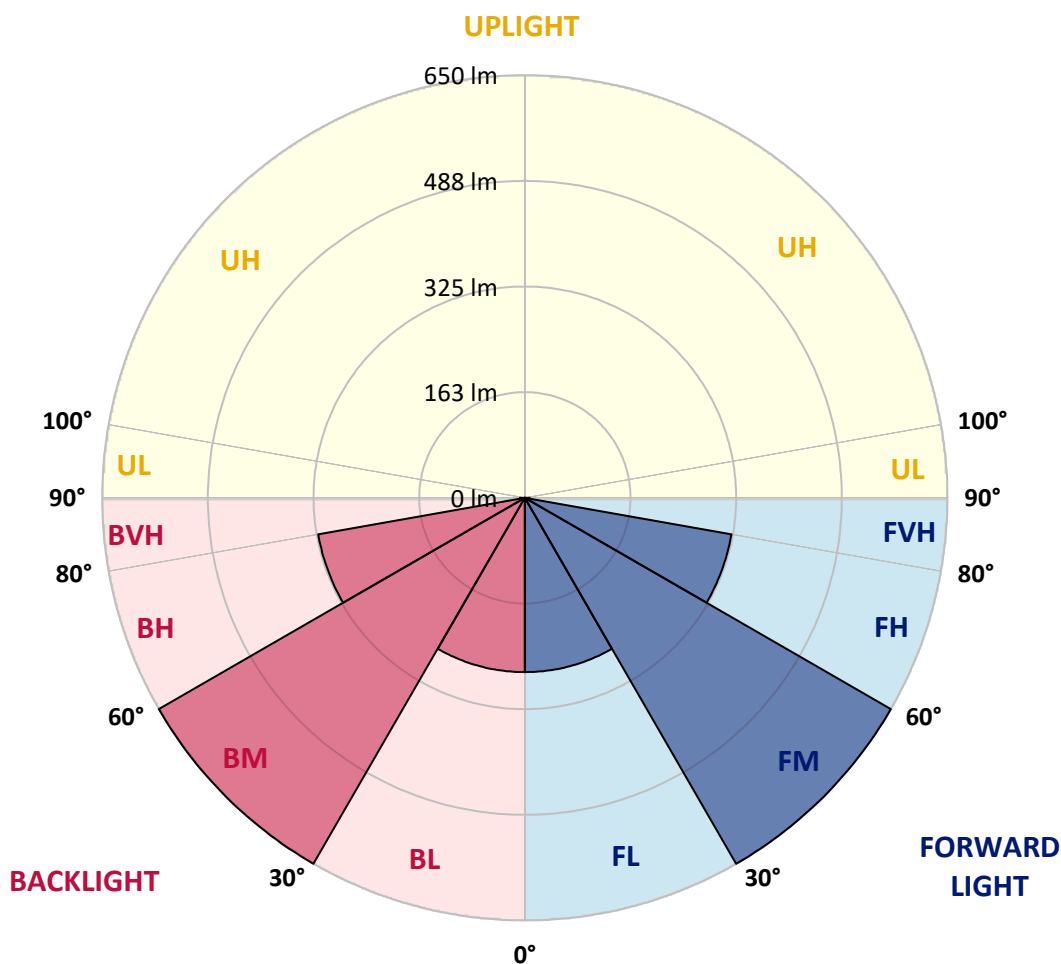
CATALOG NUMBER: GKO-PB1C-840-U-T1

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 268.2  | 10.7      |                         |      |        |
| FM   | (30°-60°)   | 650.2  | 26.0      |                         |      |        |
| FH   | (60°-80°)   | 322.9  | 12.9      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 7.6    | 0.3       |                         |      | G0/10  |
| BL   | (0°-30°)    | 268.2  | 10.7      | B1/500                  |      |        |
| BM   | (30°-60°)   | 650.2  | 26.0      | B1/1000                 |      |        |
| BH   | (60°-80°)   | 322.9  | 12.9      | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 7.6    | 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: P1212044

CATALOG NUMBER: GKO-PB1C-840-U-T1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 70°   | 75°    | 80°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0°    | 619.8 | 619.8 | 619.8 | 619.8 | 619.8 | 619.8 | 619.8 | 619.8 | 619.8 | 619.8  | 619.8  |
| 2.5°  | 620.3 | 621.2 | 619.3 | 619.3 | 620.3 | 620.7 | 620.7 | 621.2 | 620.3 | 620.3  | 619.8  |
| 5°    | 620.3 | 620.7 | 619.8 | 619.8 | 620.7 | 622.1 | 621.6 | 622.6 | 622.6 | 622.1  | 622.1  |
| 7.5°  | 619.8 | 620.7 | 619.8 | 620.3 | 621.6 | 624.4 | 624.4 | 624.4 | 625.3 | 626.2  | 626.2  |
| 10°   | 619.3 | 620.3 | 620.7 | 621.2 | 623.0 | 627.2 | 628.1 | 628.5 | 629.9 | 631.3  | 631.3  |
| 12.5° | 617.0 | 618.0 | 619.3 | 621.2 | 624.4 | 629.9 | 631.8 | 633.2 | 635.5 | 636.8  | 637.8  |
| 15°   | 613.8 | 614.3 | 617.5 | 621.2 | 626.2 | 633.2 | 636.8 | 639.1 | 642.4 | 644.2  | 645.6  |
| 17.5° | 609.2 | 609.7 | 614.7 | 620.3 | 627.6 | 637.3 | 643.3 | 647.0 | 650.2 | 653.0  | 654.8  |
| 20°   | 603.2 | 604.6 | 610.6 | 619.3 | 629.9 | 641.4 | 650.2 | 656.6 | 659.9 | 662.6  | 665.4  |
| 22.5° | 595.9 | 597.2 | 604.6 | 617.0 | 632.2 | 647.0 | 658.5 | 666.8 | 670.9 | 674.6  | 677.8  |
| 25°   | 584.8 | 586.6 | 595.4 | 611.5 | 633.2 | 653.0 | 667.7 | 678.3 | 682.0 | 686.6  | 689.3  |
| 27.5° | 567.8 | 569.1 | 579.7 | 600.5 | 630.4 | 659.4 | 678.3 | 690.7 | 694.9 | 699.9  | 702.7  |
| 30°   | 541.1 | 543.8 | 556.7 | 582.5 | 623.5 | 664.5 | 690.7 | 703.1 | 708.2 | 713.3  | 717.0  |
| 32.5° | 506.5 | 510.7 | 524.9 | 558.1 | 610.1 | 666.3 | 704.1 | 718.3 | 724.8 | 730.3  | 734.9  |
| 35°   | 463.7 | 467.8 | 484.9 | 526.8 | 588.9 | 662.6 | 717.4 | 735.8 | 743.7 | 751.0  | 756.6  |
| 37.5° | 414.9 | 418.6 | 439.3 | 487.2 | 558.6 | 651.1 | 728.0 | 755.2 | 765.8 | 775.4  | 782.8  |
| 40°   | 365.6 | 369.8 | 392.3 | 443.4 | 521.7 | 629.0 | 732.6 | 776.4 | 789.7 | 802.1  | 811.4  |
| 42.5° | 312.2 | 317.3 | 342.6 | 396.9 | 478.9 | 598.6 | 728.9 | 797.1 | 813.7 | 830.7  | 844.5  |
| 45°   | 264.8 | 265.7 | 293.3 | 345.8 | 431.9 | 559.5 | 716.0 | 816.9 | 839.4 | 863.4  | 883.2  |
| 47.5° | 219.2 | 221.0 | 245.0 | 297.0 | 383.1 | 515.3 | 692.6 | 832.5 | 868.5 | 899.3  | 928.3  |
| 50°   | 178.7 | 181.0 | 202.6 | 249.1 | 334.3 | 466.9 | 660.8 | 841.8 | 893.3 | 935.2  | 975.7  |
| 52.5° | 145.5 | 148.3 | 166.2 | 207.2 | 285.0 | 416.3 | 621.6 | 843.1 | 915.9 | 971.1  | 1025.0 |
| 55°   | 121.1 | 122.9 | 136.8 | 169.5 | 237.6 | 363.8 | 577.0 | 836.2 | 930.6 | 1003.4 | 1075.2 |
| 57.5° | 102.2 | 104.1 | 113.7 | 139.5 | 194.8 | 309.9 | 522.6 | 820.1 | 938.5 | 1031.5 | 1125.9 |
| 60°   | 88.9  | 90.3  | 97.2  | 115.6 | 160.2 | 259.2 | 464.2 | 791.6 | 936.1 | 1049.0 | 1167.8 |
| 62.5° | 79.2  | 79.7  | 85.6  | 98.5  | 132.2 | 211.4 | 398.3 | 748.7 | 917.3 | 1051.3 | 1196.3 |
| 65°   | 70.5  | 70.9  | 74.6  | 83.8  | 108.7 | 169.9 | 329.7 | 689.8 | 881.4 | 1035.2 | 1200.5 |
| 67.5° | 57.1  | 58.0  | 63.5  | 70.5  | 89.3  | 134.5 | 259.7 | 612.4 | 825.2 | 993.2  | 1177.0 |
| 70°   | 45.6  | 46.0  | 51.6  | 59.4  | 72.8  | 105.9 | 199.4 | 508.4 | 737.2 | 925.1  | 1116.2 |
| 72.5° | 34.1  | 35.0  | 40.1  | 47.9  | 59.4  | 82.0  | 144.1 | 384.5 | 589.4 | 780.0  | 972.1  |
| 75°   | 27.2  | 27.6  | 29.5  | 36.8  | 46.0  | 62.2  | 97.2  | 233.0 | 355.0 | 482.6  | 595.9  |
| 77.5° | 23.0  | 23.5  | 23.5  | 28.5  | 34.1  | 41.9  | 51.6  | 92.6  | 150.1 | 213.7  | 283.2  |
| 80°   | 18.9  | 19.8  | 18.0  | 21.2  | 24.4  | 24.4  | 23.9  | 44.2  | 70.9  | 100.4  | 131.7  |
| 82.5° | 13.8  | 14.7  | 13.8  | 14.7  | 14.7  | 13.4  | 12.4  | 16.6  | 22.6  | 30.9   | 33.6   |
| 85°   | 9.7   | 10.1  | 11.1  | 10.1  | 9.7   | 7.8   | 6.0   | 4.6   | 2.8   | 3.2    | 4.6    |
| 87.5° | 6.4   | 7.8   | 9.2   | 8.7   | 7.4   | 6.0   | 4.1   | 2.8   | 1.4   | 1.8    | 1.8    |
| 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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 CATALOG NUMBER: GKO-PB1C-840-U-T1

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 87.5°  | 90°    |
|-------|--------|--------|--------|
| 0°    | 619.8  | 619.8  | 619.8  |
| 2.5°  | 620.3  | 619.8  | 619.3  |
| 5°    | 622.6  | 622.1  | 621.6  |
| 7.5°  | 625.8  | 625.8  | 625.8  |
| 10°   | 630.9  | 631.8  | 631.8  |
| 12.5° | 637.3  | 638.2  | 638.2  |
| 15°   | 645.1  | 645.6  | 646.5  |
| 17.5° | 654.8  | 655.3  | 655.3  |
| 20°   | 666.3  | 665.8  | 666.8  |
| 22.5° | 677.8  | 677.8  | 677.8  |
| 25°   | 689.8  | 689.8  | 689.8  |
| 27.5° | 703.6  | 703.6  | 702.7  |
| 30°   | 718.8  | 718.8  | 718.8  |
| 32.5° | 737.2  | 737.7  | 738.1  |
| 35°   | 760.7  | 761.6  | 763.0  |
| 37.5° | 787.4  | 789.7  | 791.1  |
| 40°   | 819.2  | 820.1  | 822.4  |
| 42.5° | 854.6  | 857.4  | 857.9  |
| 45°   | 898.8  | 903.5  | 905.3  |
| 47.5° | 950.9  | 957.3  | 960.6  |
| 50°   | 1008.9 | 1016.3 | 1020.9 |
| 52.5° | 1072.0 | 1084.0 | 1089.5 |
| 55°   | 1139.2 | 1159.9 | 1165.9 |
| 57.5° | 1215.2 | 1243.3 | 1251.6 |
| 60°   | 1289.8 | 1329.4 | 1342.7 |
| 62.5° | 1353.3 | 1409.1 | 1425.6 |
| 65°   | 1398.0 | 1465.2 | 1489.6 |
| 67.5° | 1407.2 | 1486.9 | 1515.9 |
| 70°   | 1352.0 | 1433.5 | 1467.1 |
| 72.5° | 1175.6 | 1249.3 | 1291.2 |
| 75°   | 694.4  | 747.4  | 734.5  |
| 77.5° | 348.6  | 363.8  | 366.1  |
| 80°   | 152.9  | 162.1  | 165.8  |
| 82.5° | 37.8   | 38.7   | 43.7   |
| 85°   | 5.1    | 6.0    | 5.5    |
| 87.5° | 1.8    | 1.8    | 2.3    |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)