

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: HALO

Report Number: P565412

Luminaire Tested: **LTQL6069S1EDM-3000K-UNIT**

Issue Date: 8/31/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2109887H005)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 8/31/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: LTQL6069S1EDM-3000K-UNIT  
Description: 6in Surface Mount Downlight Fixture with Color Selectable Switch  
Light Source: #  
Ballast/Driver: -

**Summary**

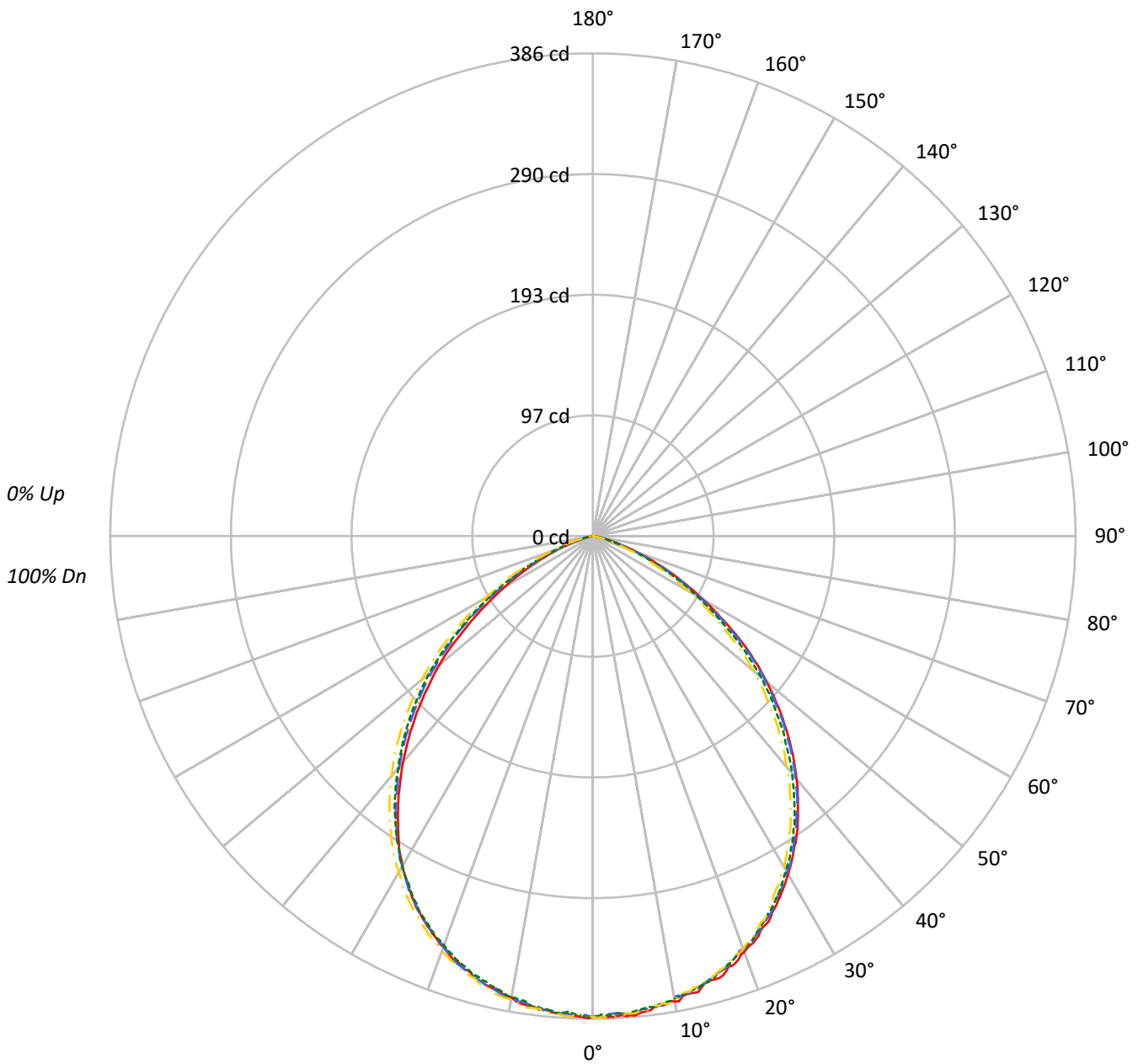
Lumens per Lamp: N/A  
Luminaire Lumens: 825.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27  
Luminous Opening: Circular (Dia: 0.5m x H: 0m)  
CIE Type: Direct

Input Watts (W): 8.1  
Input Voltage (V): 120  
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



TEST NUMBER: P565412  
CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



TEST NUMBER: P565412

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 90  | 90  | 90  | 88  |
| 2   | 102 | 95  | 90  | 85  | 100 | 94  | 88  | 84  | 90  | 86  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 78  | 78  | 78  | 76  |
| 3   | 94  | 85  | 78  | 73  | 92  | 84  | 77  | 72  | 81  | 75  | 71  | 78  | 73  | 70  | 76  | 72  | 68  | 68  | 68  | 68  | 66  |
| 4   | 87  | 77  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 60  | 60  | 60  | 58  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 53  | 53  | 53  | 51  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 47  | 47  | 47  | 47  | 45  |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 54  | 47  | 43  | 52  | 47  | 42  | 42  | 42  | 42  | 41  |
| 8   | 65  | 52  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 38  | 38  | 38  | 37  |
| 9   | 61  | 48  | 41  | 35  | 60  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 35  | 35  | 35  | 33  |
| 10  | 57  | 45  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 32  | 32  | 32  | 30  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 1957 | 1957 | 1957 | 1957 |
| 5°  | 1968 | 1951 | 1953 | 1950 |
| 10° | 1954 | 1943 | 1937 | 1936 |
| 15° | 1938 | 1934 | 1929 | 1917 |
| 20° | 1918 | 1903 | 1894 | 1888 |
| 25° | 1890 | 1867 | 1858 | 1853 |
| 30° | 1837 | 1820 | 1792 | 1792 |
| 35° | 1774 | 1748 | 1690 | 1714 |
| 40° | 1685 | 1647 | 1570 | 1612 |
| 45° | 1575 | 1528 | 1432 | 1496 |
| 50° | 1439 | 1387 | 1269 | 1353 |
| 55° | 1265 | 1197 | 1058 | 1159 |
| 60° | 1043 | 978  | 833  | 944  |
| 65° | 816  | 747  | 600  | 709  |
| 70° | 551  | 487  | 366  | 450  |
| 75° | 321  | 262  | 195  | 246  |
| 80° | 185  | 126  | 73   | 123  |
| 85° | 123  | 53   | 41   | 82   |



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 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.3   | 4.4       |
| 10°-20°   | 103.2  | 12.5      |
| 20°-30°   | 152.8  | 18.5      |
| 30°-40°   | 174.0  | 21.1      |
| 40°-50°   | 161.7  | 19.6      |
| 50°-60°   | 118.5  | 14.4      |
| 60°-70°   | 59.9   | 7.3       |
| 70°-80°   | 15.4   | 1.9       |
| 80°-90°   | 1.6    | 0.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.1    | 0.0       |
| 120°-130° | 0.2    | 0.0       |
| 130°-140° | 0.3    | 0.0       |
| 140°-150° | 0.5    | 0.1       |
| 150°-160° | 0.4    | 0.0       |
| 160°-170° | 0.2    | 0.0       |
| 170°-180° | 0.1    | 0.0       |
| 0°-30°    | 292.3  | 35.4      |
| 0°-40°    | 466.3  | 56.5      |
| 0°-60°    | 746.5  | 90.5      |
| 0°-90°    | 823.4  | 99.8      |
| 90°-120°  | 0.1    | 0.0       |
| 90°-150°  | 1.0    | 0.1       |
| 90°-180°  | 2.0    | 0.2       |
| 0°-180°   | 825.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 384 | 384 | 384  | 384  | 384  |      |
| 5°   | 385 | 382 | 382  | 382  | 385  | 36   |
| 15°  | 368 | 367 | 366  | 364  | 368  | 104  |
| 25°  | 336 | 332 | 331  | 330  | 336  | 154  |
| 35°  | 285 | 281 | 272  | 276  | 285  | 178  |
| 45°  | 219 | 212 | 199  | 208  | 219  | 168  |
| 55°  | 142 | 135 | 119  | 130  | 142  | 127  |
| 65°  | 68  | 62  | 50   | 59   | 68   | 67   |
| 75°  | 16  | 13  | 10   | 12   | 16   | 19   |
| 85°  | 2   | 1   | 1    | 1    | 2    | 2    |
| 90°  | 0   | 0   | 0    | 0    | 0    | 0    |
| 95°  | 0   | 0   | 0    | 0    | 0    | 0    |
| 105° | 0   | 0   | 0    | 0    | 0    | 0    |
| 115° | 0   | 0   | 0    | 0    | 0    | 0    |
| 125° | 0   | 0   | 0    | 0    | 0    | 0    |
| 135° | 0   | 0   | 0    | 0    | 0    | 0    |
| 145° | 1   | 1   | 1    | 1    | 1    | 1    |
| 155° | 1   | 1   | 1    | 1    | 1    | 0    |
| 165° | 1   | 1   | 1    | 1    | 1    | 0    |
| 175° | 1   | 1   | 1    | 1    | 1    | 0    |
| 180° | 1   | 1   | 1    | 1    | 1    |      |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 384.2 | 384.2 | 384.2 | 384.2 | 384.2 | 384.2  | 384.2 | 384.2  | 384.2 | 384.2  | 384.2 |
| 0.5°  | 383.7 | 384.0 | 384.1 | 384.3 | 384.6 | 384.1  | 385.4 | 386.2  | 385.6 | 384.0  | 383.9 |
| 1°    | 384.8 | 384.0 | 384.9 | 382.6 | 382.6 | 386.2  | 384.9 | 385.5  | 385.1 | 384.7  | 382.7 |
| 1.5°  | 385.4 | 383.9 | 382.8 | 382.8 | 383.3 | 386.0  | 385.3 | 384.8  | 384.4 | 384.6  | 384.0 |
| 2°    | 384.5 | 383.9 | 382.4 | 384.7 | 383.4 | 384.8  | 385.2 | 384.6  | 384.1 | 383.7  | 383.3 |
| 2.5°  | 384.9 | 384.7 | 382.1 | 383.9 | 382.8 | 384.4  | 384.7 | 384.2  | 384.0 | 384.3  | 382.3 |
| 3°    | 384.2 | 382.9 | 381.9 | 384.0 | 382.3 | 384.5  | 384.9 | 383.8  | 382.5 | 384.0  | 383.3 |
| 3.5°  | 383.8 | 383.0 | 382.4 | 382.2 | 382.4 | 385.5  | 384.7 | 383.7  | 383.9 | 383.5  | 381.8 |
| 4°    | 384.8 | 383.3 | 383.2 | 382.5 | 383.4 | 384.9  | 382.6 | 384.0  | 383.2 | 382.6  | 382.3 |
| 4.5°  | 384.3 | 384.2 | 382.0 | 382.1 | 382.0 | 383.5  | 383.1 | 382.9  | 382.4 | 382.7  | 382.1 |
| 5°    | 384.9 | 382.5 | 381.8 | 382.2 | 381.7 | 383.1  | 383.2 | 383.3  | 382.1 | 382.3  | 380.7 |
| 5.5°  | 383.6 | 382.7 | 381.9 | 381.8 | 380.5 | 383.1  | 382.3 | 382.7  | 380.1 | 381.6  | 381.2 |
| 6°    | 382.8 | 382.6 | 380.0 | 379.8 | 380.3 | 382.7  | 381.6 | 380.7  | 381.3 | 381.8  | 380.9 |
| 6.5°  | 382.5 | 382.4 | 380.8 | 378.8 | 379.2 | 383.3  | 382.3 | 379.5  | 381.0 | 379.3  | 379.2 |
| 7°    | 381.8 | 380.7 | 379.9 | 378.2 | 379.4 | 382.6  | 380.8 | 380.0  | 379.6 | 379.7  | 378.3 |
| 7.5°  | 379.5 | 380.7 | 380.5 | 379.9 | 379.8 | 381.4  | 378.8 | 380.3  | 379.0 | 379.3  | 379.3 |
| 8°    | 379.5 | 379.9 | 378.8 | 380.9 | 378.2 | 381.1  | 379.3 | 380.3  | 378.9 | 378.6  | 377.7 |
| 8.5°  | 379.4 | 380.2 | 379.5 | 378.6 | 378.0 | 379.9  | 377.6 | 379.6  | 378.6 | 378.0  | 376.9 |
| 9°    | 378.9 | 378.6 | 377.5 | 377.9 | 377.2 | 380.3  | 378.9 | 379.2  | 378.1 | 377.6  | 376.9 |
| 9.5°  | 377.1 | 378.5 | 377.1 | 377.4 | 376.7 | 378.6  | 378.6 | 379.1  | 376.8 | 375.3  | 376.2 |
| 10°   | 377.9 | 377.6 | 373.8 | 376.2 | 375.7 | 375.8  | 375.7 | 376.5  | 374.5 | 375.4  | 376.0 |
| 10.5° | 378.4 | 376.2 | 373.8 | 374.6 | 375.1 | 375.7  | 375.5 | 376.0  | 374.2 | 375.3  | 375.4 |
| 11°   | 375.2 | 375.9 | 374.7 | 372.7 | 373.7 | 373.4  | 372.6 | 375.1  | 373.5 | 373.6  | 374.3 |
| 11.5° | 373.9 | 374.6 | 372.9 | 372.5 | 372.9 | 373.2  | 372.3 | 373.1  | 372.1 | 373.0  | 373.0 |
| 12°   | 373.9 | 373.8 | 373.7 | 372.7 | 372.5 | 374.4  | 372.5 | 373.1  | 370.3 | 372.1  | 371.7 |
| 12.5° | 374.1 | 373.3 | 371.7 | 371.1 | 371.6 | 373.6  | 370.2 | 371.8  | 370.5 | 371.4  | 370.6 |
| 13°   | 374.4 | 371.3 | 371.4 | 369.4 | 370.8 | 372.5  | 369.8 | 370.2  | 369.7 | 370.4  | 369.8 |
| 13.5° | 371.4 | 370.9 | 369.9 | 368.1 | 369.7 | 369.6  | 369.0 | 368.9  | 368.8 | 368.5  | 369.1 |
| 14°   | 368.9 | 369.5 | 368.5 | 367.5 | 368.5 | 368.7  | 367.4 | 368.8  | 367.1 | 367.8  | 367.6 |
| 14.5° | 367.4 | 368.3 | 367.4 | 366.8 | 368.4 | 367.7  | 365.7 | 367.1  | 366.9 | 366.4  | 366.3 |
| 15°   | 367.6 | 367.0 | 365.8 | 366.0 | 366.8 | 366.8  | 365.0 | 365.1  | 365.8 | 364.9  | 365.1 |
| 15.5° | 367.8 | 365.6 | 364.0 | 363.6 | 365.7 | 364.7  | 364.4 | 364.0  | 363.2 | 362.2  | 363.5 |
| 16°   | 367.6 | 364.3 | 363.2 | 362.9 | 362.7 | 364.5  | 362.4 | 362.7  | 361.5 | 361.7  | 362.4 |
| 16.5° | 366.5 | 363.4 | 362.5 | 362.0 | 362.1 | 363.5  | 361.4 | 361.7  | 361.4 | 360.8  | 361.6 |
| 17°   | 364.3 | 361.8 | 361.5 | 360.1 | 361.2 | 362.0  | 360.3 | 360.0  | 359.6 | 359.2  | 359.9 |
| 17.5° | 360.9 | 360.5 | 360.4 | 358.5 | 359.2 | 359.9  | 359.4 | 358.1  | 357.5 | 358.0  | 359.1 |
| 18°   | 361.2 | 358.8 | 359.1 | 356.7 | 358.3 | 359.0  | 356.7 | 356.4  | 357.5 | 356.6  | 357.1 |
| 18.5° | 359.9 | 357.5 | 356.7 | 356.0 | 356.1 | 358.5  | 354.7 | 356.4  | 355.4 | 353.9  | 354.9 |
| 19°   | 358.0 | 356.3 | 354.2 | 354.8 | 354.2 | 356.2  | 353.7 | 353.9  | 353.6 | 352.3  | 353.8 |
| 19.5° | 355.1 | 354.3 | 351.7 | 353.4 | 353.3 | 353.9  | 353.1 | 352.2  | 351.2 | 351.1  | 351.9 |
| 20°   | 353.9 | 353.3 | 352.3 | 350.9 | 351.2 | 352.2  | 351.7 | 350.9  | 349.5 | 349.5  | 349.5 |
| 20.5° | 352.0 | 351.4 | 351.0 | 349.8 | 350.1 | 351.8  | 349.0 | 348.0  | 348.6 | 348.0  | 347.3 |
| 21°   | 350.5 | 349.5 | 349.9 | 347.9 | 348.4 | 349.2  | 347.2 | 346.8  | 346.4 | 346.4  | 345.5 |
| 21.5° | 349.8 | 348.1 | 348.9 | 345.9 | 347.6 | 346.9  | 345.9 | 344.6  | 344.2 | 344.3  | 343.4 |
| 22°   | 347.8 | 346.3 | 345.2 | 344.2 | 345.1 | 345.0  | 344.4 | 342.6  | 342.9 | 341.2  | 341.5 |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 346.1 | 344.7 | 344.1 | 342.7 | 342.7 | 343.2  | 340.8 | 340.5  | 340.4 | 340.1  | 340.4 |
| 23°   | 343.1 | 343.1 | 342.3 | 340.4 | 341.1 | 340.5  | 339.6 | 338.8  | 338.8 | 337.6  | 337.6 |
| 23.5° | 341.0 | 341.0 | 340.2 | 338.4 | 338.7 | 339.1  | 336.8 | 336.9  | 336.5 | 335.8  | 336.5 |
| 24°   | 339.9 | 338.9 | 338.1 | 337.1 | 337.1 | 337.0  | 336.5 | 333.8  | 334.7 | 334.2  | 334.1 |
| 24.5° | 338.9 | 336.7 | 336.2 | 334.7 | 334.8 | 334.4  | 334.3 | 332.0  | 332.3 | 330.9  | 332.5 |
| 25°   | 336.3 | 334.4 | 334.4 | 332.5 | 332.3 | 331.6  | 330.5 | 329.8  | 330.6 | 328.7  | 330.3 |
| 25.5° | 333.1 | 332.6 | 332.5 | 330.7 | 330.9 | 330.3  | 328.3 | 328.4  | 328.5 | 327.0  | 327.8 |
| 26°   | 331.5 | 330.8 | 329.9 | 328.8 | 328.5 | 327.7  | 325.8 | 325.1  | 325.9 | 324.3  | 325.5 |
| 26.5° | 329.2 | 328.4 | 327.1 | 326.3 | 326.4 | 325.8  | 322.9 | 324.2  | 323.6 | 322.4  | 322.4 |
| 27°   | 326.7 | 326.0 | 324.6 | 324.2 | 323.8 | 322.8  | 320.3 | 321.2  | 320.5 | 320.3  | 320.7 |
| 27.5° | 324.6 | 323.6 | 322.4 | 322.3 | 322.0 | 320.1  | 317.8 | 318.7  | 318.3 | 316.4  | 319.0 |
| 28°   | 322.0 | 321.4 | 320.4 | 319.9 | 319.4 | 318.2  | 316.3 | 316.0  | 315.3 | 315.0  | 315.9 |
| 28.5° | 319.9 | 319.9 | 318.4 | 317.3 | 316.5 | 316.5  | 313.4 | 314.1  | 312.5 | 312.0  | 313.1 |
| 29°   | 317.5 | 317.1 | 315.8 | 314.8 | 314.1 | 313.5  | 310.0 | 310.5  | 310.3 | 309.4  | 310.2 |
| 29.5° | 314.8 | 314.6 | 313.4 | 312.2 | 311.1 | 310.3  | 308.6 | 307.7  | 307.7 | 306.9  | 307.9 |
| 30°   | 312.3 | 312.2 | 310.9 | 309.2 | 309.4 | 308.1  | 305.8 | 304.7  | 304.7 | 303.2  | 304.8 |
| 30.5° | 309.6 | 309.8 | 308.4 | 307.2 | 306.3 | 305.1  | 302.6 | 302.0  | 301.5 | 300.6  | 302.6 |
| 31°   | 307.2 | 306.9 | 306.2 | 304.4 | 303.6 | 302.0  | 300.1 | 299.4  | 298.6 | 297.4  | 299.7 |
| 31.5° | 304.5 | 303.9 | 303.7 | 301.6 | 301.3 | 298.7  | 297.1 | 296.2  | 295.9 | 294.6  | 296.5 |
| 32°   | 301.8 | 301.3 | 300.9 | 298.6 | 298.2 | 296.6  | 294.3 | 292.4  | 292.6 | 291.3  | 293.7 |
| 32.5° | 298.9 | 298.7 | 297.8 | 295.5 | 295.0 | 294.0  | 291.4 | 288.5  | 289.0 | 288.3  | 290.5 |
| 33°   | 296.1 | 295.6 | 294.8 | 292.8 | 292.6 | 290.4  | 288.3 | 286.0  | 285.5 | 286.3  | 287.9 |
| 33.5° | 293.8 | 293.2 | 291.9 | 290.3 | 289.7 | 287.4  | 285.1 | 282.8  | 282.0 | 282.2  | 284.7 |
| 34°   | 290.9 | 290.5 | 289.3 | 287.2 | 286.7 | 285.1  | 282.3 | 280.4  | 278.6 | 279.3  | 281.0 |
| 34.5° | 288.1 | 287.7 | 286.4 | 284.6 | 283.5 | 281.9  | 279.1 | 277.2  | 275.2 | 276.3  | 277.9 |
| 35°   | 285.4 | 284.5 | 283.2 | 281.8 | 281.1 | 278.6  | 275.8 | 273.8  | 271.9 | 273.1  | 274.9 |
| 35.5° | 282.1 | 281.3 | 280.0 | 278.8 | 277.8 | 275.1  | 272.2 | 270.4  | 268.3 | 269.6  | 271.5 |
| 36°   | 279.1 | 278.5 | 277.1 | 275.5 | 274.4 | 271.7  | 269.2 | 267.0  | 264.8 | 266.7  | 267.8 |
| 36.5° | 275.8 | 275.4 | 273.9 | 272.4 | 271.1 | 268.5  | 266.1 | 263.6  | 261.5 | 263.4  | 264.4 |
| 37°   | 272.6 | 272.1 | 271.4 | 269.5 | 267.8 | 265.1  | 262.6 | 260.3  | 258.0 | 260.2  | 261.1 |
| 37.5° | 269.5 | 268.9 | 268.4 | 266.3 | 264.5 | 261.8  | 259.1 | 256.6  | 253.9 | 256.7  | 257.6 |
| 38°   | 266.5 | 265.8 | 265.3 | 263.0 | 261.2 | 258.5  | 255.8 | 253.2  | 250.6 | 253.2  | 254.2 |
| 38.5° | 263.2 | 263.0 | 261.9 | 259.7 | 257.8 | 255.1  | 252.5 | 249.7  | 247.2 | 249.4  | 250.8 |
| 39°   | 260.1 | 259.8 | 258.6 | 256.5 | 254.4 | 251.9  | 249.0 | 246.5  | 243.4 | 245.5  | 247.6 |
| 39.5° | 256.8 | 256.4 | 255.3 | 253.2 | 251.1 | 248.7  | 245.3 | 243.0  | 240.0 | 242.2  | 244.3 |
| 40°   | 253.5 | 253.2 | 252.0 | 249.5 | 247.8 | 245.4  | 241.7 | 238.7  | 236.1 | 238.3  | 240.8 |
| 40.5° | 250.2 | 249.8 | 248.7 | 246.1 | 244.6 | 241.6  | 237.7 | 235.3  | 232.5 | 234.5  | 237.2 |
| 41°   | 246.8 | 246.6 | 245.3 | 242.9 | 241.2 | 238.0  | 234.4 | 231.9  | 228.4 | 230.7  | 233.9 |
| 41.5° | 243.2 | 243.3 | 241.8 | 239.5 | 237.4 | 234.0  | 231.2 | 228.0  | 225.0 | 227.2  | 230.1 |
| 42°   | 239.8 | 239.8 | 238.4 | 236.0 | 233.3 | 230.0  | 227.4 | 223.9  | 221.0 | 223.3  | 226.2 |
| 42.5° | 236.5 | 236.5 | 235.2 | 232.5 | 229.7 | 226.6  | 223.3 | 220.0  | 217.4 | 219.8  | 222.8 |
| 43°   | 233.0 | 232.7 | 231.7 | 228.8 | 226.0 | 223.1  | 219.8 | 216.4  | 214.0 | 216.3  | 219.6 |
| 43.5° | 229.3 | 229.0 | 227.5 | 225.1 | 222.8 | 219.6  | 216.2 | 212.7  | 209.6 | 212.8  | 215.2 |
| 44°   | 225.7 | 225.7 | 223.6 | 221.4 | 220.0 | 216.1  | 213.4 | 208.9  | 205.9 | 209.3  | 211.8 |
| 44.5° | 222.2 | 221.8 | 220.2 | 218.1 | 216.4 | 212.3  | 209.2 | 205.4  | 202.5 | 205.4  | 208.0 |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 45°   | 218.7 | 218.3 | 217.0 | 214.2 | 212.1 | 208.6  | 205.7 | 201.5  | 198.8 | 201.3  | 204.4 |
| 45.5° | 214.8 | 214.7 | 213.5 | 210.5 | 208.4 | 204.8  | 201.5 | 198.1  | 194.6 | 197.6  | 200.7 |
| 46°   | 211.4 | 211.3 | 209.9 | 206.9 | 204.4 | 201.1  | 197.9 | 193.8  | 190.8 | 193.6  | 197.1 |
| 46.5° | 207.9 | 207.5 | 206.0 | 203.4 | 200.7 | 197.4  | 193.9 | 190.1  | 187.2 | 190.2  | 193.2 |
| 47°   | 204.1 | 203.9 | 202.2 | 199.6 | 197.4 | 193.9  | 190.1 | 186.4  | 183.1 | 186.6  | 189.8 |
| 47.5° | 200.5 | 200.3 | 198.3 | 196.0 | 194.3 | 189.9  | 186.6 | 182.2  | 178.9 | 182.4  | 185.8 |
| 48°   | 196.7 | 196.5 | 194.4 | 192.4 | 190.7 | 186.2  | 183.1 | 178.5  | 175.4 | 178.9  | 182.2 |
| 48.5° | 192.9 | 193.0 | 191.2 | 188.6 | 186.6 | 182.7  | 179.0 | 174.9  | 171.7 | 175.0  | 178.6 |
| 49°   | 189.0 | 189.5 | 187.8 | 185.1 | 182.5 | 179.0  | 175.5 | 171.1  | 168.0 | 171.2  | 175.0 |
| 49.5° | 185.4 | 185.4 | 184.2 | 181.3 | 179.0 | 175.4  | 171.8 | 167.1  | 164.0 | 167.4  | 171.1 |
| 50°   | 181.6 | 181.6 | 180.3 | 177.3 | 175.1 | 171.1  | 167.7 | 162.8  | 160.1 | 163.6  | 167.2 |
| 50.5° | 178.0 | 177.8 | 176.8 | 173.6 | 171.4 | 167.3  | 164.0 | 158.8  | 156.5 | 159.4  | 163.0 |
| 51°   | 174.2 | 174.2 | 172.5 | 170.0 | 167.1 | 163.4  | 160.0 | 155.2  | 152.7 | 155.8  | 159.2 |
| 51.5° | 170.3 | 170.1 | 168.2 | 166.1 | 163.4 | 159.4  | 156.4 | 151.9  | 148.3 | 151.6  | 155.6 |
| 52°   | 166.7 | 166.4 | 164.6 | 162.0 | 159.5 | 155.5  | 152.2 | 147.1  | 143.9 | 147.7  | 151.5 |
| 52.5° | 162.5 | 162.5 | 161.3 | 157.9 | 155.6 | 151.6  | 147.6 | 142.9  | 139.8 | 143.5  | 147.2 |
| 53°   | 158.8 | 158.6 | 157.2 | 153.6 | 151.5 | 147.5  | 143.2 | 138.5  | 135.2 | 139.3  | 143.3 |
| 53.5° | 155.1 | 154.5 | 152.8 | 149.9 | 147.3 | 143.5  | 139.2 | 134.2  | 130.8 | 134.8  | 139.4 |
| 54°   | 150.9 | 150.4 | 148.4 | 145.6 | 142.9 | 139.4  | 135.0 | 130.0  | 126.8 | 130.7  | 135.5 |
| 54.5° | 146.7 | 146.2 | 144.1 | 141.4 | 138.9 | 135.2  | 130.4 | 126.0  | 123.0 | 126.6  | 131.7 |
| 55°   | 142.5 | 142.2 | 140.1 | 137.2 | 134.8 | 131.2  | 127.1 | 121.7  | 119.1 | 122.8  | 127.4 |
| 55.5° | 138.2 | 137.9 | 136.2 | 133.1 | 130.7 | 127.1  | 123.1 | 117.8  | 115.2 | 118.7  | 123.1 |
| 56°   | 134.0 | 133.8 | 132.2 | 128.9 | 126.4 | 123.0  | 119.2 | 114.0  | 111.2 | 114.8  | 119.4 |
| 56.5° | 129.9 | 129.5 | 127.9 | 124.7 | 122.5 | 118.9  | 115.3 | 110.0  | 107.1 | 110.7  | 115.6 |
| 57°   | 125.9 | 125.4 | 124.1 | 120.7 | 118.5 | 115.1  | 111.4 | 106.5  | 103.2 | 106.7  | 111.6 |
| 57.5° | 121.7 | 121.2 | 119.8 | 116.5 | 114.8 | 111.3  | 107.5 | 102.6  | 99.5  | 102.9  | 107.7 |
| 58°   | 118.1 | 117.3 | 115.4 | 112.7 | 111.1 | 107.5  | 103.8 | 98.7   | 95.9  | 99.0   | 104.0 |
| 58.5° | 114.0 | 113.3 | 111.5 | 108.9 | 107.1 | 103.7  | 99.9  | 94.9   | 92.2  | 95.2   | 99.8  |
| 59°   | 110.1 | 109.5 | 107.7 | 105.0 | 103.2 | 100.0  | 95.9  | 91.4   | 88.7  | 91.6   | 96.1  |
| 59.5° | 106.2 | 105.6 | 103.9 | 101.2 | 99.5  | 96.3   | 92.3  | 87.8   | 85.2  | 88.2   | 92.4  |
| 60°   | 102.4 | 101.9 | 100.2 | 97.6  | 96.0  | 92.6   | 88.9  | 84.2   | 81.8  | 84.5   | 88.9  |
| 60.5° | 98.6  | 98.1  | 96.4  | 93.9  | 92.3  | 89.4   | 85.3  | 80.8   | 78.6  | 80.9   | 85.1  |
| 61°   | 95.1  | 94.4  | 92.9  | 90.5  | 88.8  | 85.9   | 81.7  | 77.4   | 75.2  | 77.6   | 81.3  |
| 61.5° | 91.7  | 90.6  | 89.6  | 87.1  | 85.1  | 82.3   | 78.3  | 74.1   | 72.0  | 74.1   | 78.0  |
| 62°   | 88.4  | 87.3  | 86.2  | 83.7  | 81.8  | 78.9   | 75.1  | 70.8   | 68.7  | 70.8   | 74.6  |
| 62.5° | 84.6  | 83.8  | 82.5  | 80.0  | 78.4  | 75.6   | 71.7  | 67.6   | 65.5  | 67.6   | 71.3  |
| 63°   | 80.8  | 80.3  | 79.2  | 76.5  | 75.2  | 72.2   | 68.4  | 64.4   | 62.2  | 64.3   | 68.1  |
| 63.5° | 76.9  | 77.0  | 75.5  | 73.2  | 72.0  | 68.9   | 65.1  | 61.1   | 59.0  | 61.0   | 64.6  |
| 64°   | 74.0  | 73.6  | 71.9  | 69.8  | 68.5  | 65.6   | 61.7  | 57.9   | 56.0  | 57.8   | 61.4  |
| 64.5° | 71.2  | 70.2  | 68.6  | 66.4  | 65.2  | 62.3   | 58.4  | 54.7   | 52.9  | 54.6   | 58.1  |
| 65°   | 67.7  | 66.8  | 65.4  | 63.2  | 62.0  | 59.1   | 55.4  | 51.7   | 49.8  | 51.5   | 55.0  |
| 65.5° | 64.4  | 63.6  | 62.0  | 59.9  | 58.9  | 56.0   | 52.3  | 48.7   | 46.9  | 48.4   | 51.8  |
| 66°   | 61.1  | 60.2  | 58.8  | 56.7  | 55.8  | 52.8   | 49.1  | 45.8   | 44.1  | 45.5   | 48.6  |
| 66.5° | 57.7  | 57.2  | 55.7  | 53.6  | 52.4  | 49.8   | 46.1  | 42.9   | 41.5  | 42.6   | 45.7  |
| 67°   | 54.8  | 54.1  | 52.6  | 50.6  | 49.5  | 46.7   | 43.1  | 40.2   | 38.7  | 39.9   | 42.7  |





TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 0°   | 22.5° | 45°  | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 67.5° | 51.4 | 50.9  | 49.5 | 47.5  | 46.6 | 43.7   | 40.3 | 37.5   | 36.1 | 37.1   | 39.9 |
| 68°   | 48.3 | 47.8  | 46.6 | 44.6  | 43.6 | 40.9   | 37.5 | 34.9   | 33.6 | 34.5   | 37.0 |
| 68.5° | 45.3 | 44.9  | 43.7 | 41.6  | 40.8 | 38.0   | 34.8 | 32.4   | 31.2 | 32.0   | 34.3 |
| 69°   | 42.5 | 42.0  | 40.8 | 38.9  | 38.0 | 35.3   | 32.2 | 29.9   | 28.9 | 29.6   | 31.6 |
| 69.5° | 39.7 | 39.3  | 38.0 | 36.2  | 35.3 | 32.7   | 29.8 | 27.6   | 26.8 | 27.1   | 29.1 |
| 70°   | 37.0 | 36.5  | 35.3 | 33.5  | 32.7 | 30.2   | 27.5 | 25.5   | 24.6 | 25.0   | 26.8 |
| 70.5° | 34.3 | 33.8  | 32.8 | 31.1  | 30.3 | 27.8   | 25.2 | 23.4   | 22.6 | 23.1   | 24.7 |
| 71°   | 31.9 | 31.4  | 30.5 | 28.7  | 27.8 | 25.5   | 23.0 | 21.6   | 20.9 | 21.2   | 22.6 |
| 71.5° | 29.4 | 29.1  | 28.0 | 26.5  | 25.6 | 23.4   | 21.2 | 19.8   | 19.1 | 19.4   | 20.7 |
| 72°   | 27.4 | 26.8  | 25.8 | 24.2  | 23.4 | 21.5   | 19.4 | 18.1   | 17.4 | 17.7   | 18.9 |
| 72.5° | 25.0 | 24.6  | 23.6 | 22.5  | 21.6 | 19.6   | 17.7 | 16.5   | 15.9 | 16.2   | 17.2 |
| 73°   | 23.0 | 22.6  | 21.9 | 20.4  | 19.7 | 17.7   | 16.0 | 15.0   | 14.5 | 14.7   | 15.6 |
| 73.5° | 21.3 | 21.0  | 20.1 | 18.8  | 17.8 | 16.1   | 14.6 | 13.6   | 13.2 | 13.3   | 14.2 |
| 74°   | 19.4 | 19.1  | 18.4 | 17.2  | 16.2 | 14.6   | 13.2 | 12.4   | 12.1 | 12.1   | 13.0 |
| 74.5° | 17.8 | 17.6  | 16.9 | 15.7  | 14.7 | 13.2   | 12.0 | 11.2   | 11.0 | 11.0   | 11.7 |
| 75°   | 16.3 | 16.1  | 15.4 | 14.4  | 13.3 | 12.1   | 10.8 | 10.1   | 9.9  | 10.0   | 10.5 |
| 75.5° | 15.0 | 14.7  | 14.0 | 13.1  | 12.1 | 10.9   | 9.8  | 9.2    | 8.9  | 9.0    | 9.6  |
| 76°   | 13.7 | 13.5  | 12.8 | 11.9  | 10.9 | 9.7    | 8.9  | 8.3    | 8.0  | 8.1    | 8.7  |
| 76.5° | 12.5 | 12.3  | 11.7 | 10.9  | 9.9  | 8.9    | 7.9  | 7.4    | 7.1  | 7.3    | 7.8  |
| 77°   | 11.4 | 11.2  | 10.7 | 9.7   | 8.8  | 7.8    | 7.0  | 6.6    | 6.4  | 6.5    | 6.9  |
| 77.5° | 10.5 | 10.2  | 9.8  | 9.1   | 7.9  | 7.0    | 6.2  | 5.8    | 5.7  | 5.8    | 6.1  |
| 78°   | 9.5  | 9.2   | 8.8  | 8.2   | 7.0  | 6.2    | 5.6  | 5.2    | 4.9  | 5.1    | 5.5  |
| 78.5° | 8.6  | 8.6   | 8.0  | 7.2   | 6.3  | 5.5    | 4.9  | 4.8    | 4.5  | 4.8    | 4.8  |
| 79°   | 7.8  | 7.6   | 7.3  | 6.4   | 5.6  | 4.8    | 4.3  | 3.8    | 3.7  | 3.8    | 4.1  |
| 79.5° | 7.1  | 6.8   | 6.4  | 5.6   | 4.9  | 4.1    | 3.6  | 3.3    | 3.1  | 3.2    | 3.7  |
| 80°   | 6.3  | 6.1   | 5.8  | 5.0   | 4.3  | 3.7    | 3.0  | 2.7    | 2.5  | 2.6    | 2.9  |
| 80.5° | 5.7  | 5.5   | 5.2  | 4.8   | 3.6  | 3.0    | 2.5  | 2.3    | 2.2  | 2.3    | 2.5  |
| 81°   | 5.0  | 4.9   | 4.6  | 4.0   | 3.0  | 2.7    | 2.1  | 2.0    | 1.9  | 1.9    | 2.1  |
| 81.5° | 4.5  | 4.2   | 3.9  | 3.4   | 2.7  | 2.2    | 1.9  | 1.7    | 1.7  | 1.7    | 1.9  |
| 82°   | 3.8  | 3.6   | 3.4  | 3.1   | 2.1  | 1.9    | 1.7  | 1.6    | 1.5  | 1.5    | 1.7  |
| 82.5° | 3.3  | 3.2   | 3.1  | 2.9   | 1.9  | 1.7    | 1.5  | 1.5    | 1.5  | 1.5    | 1.5  |
| 83°   | 3.0  | 2.8   | 2.8  | 2.5   | 1.7  | 1.7    | 1.3  | 1.1    | 1.1  | 1.1    | 1.5  |
| 83.5° | 2.7  | 2.7   | 2.6  | 2.3   | 1.6  | 1.3    | 1.0  | 0.9    | 0.8  | 0.9    | 1.1  |
| 84°   | 2.5  | 2.3   | 2.3  | 2.1   | 1.4  | 0.9    | 0.8  | 0.7    | 0.8  | 0.7    | 0.8  |
| 84.5° | 2.3  | 2.2   | 2.1  | 1.8   | 1.1  | 0.9    | 0.6  | 0.7    | 0.7  | 0.6    | 0.7  |
| 85°   | 2.1  | 2.0   | 1.9  | 1.7   | 0.9  | 0.7    | 0.6  | 0.7    | 0.7  | 0.6    | 0.6  |
| 85.5° | 1.9  | 1.8   | 1.7  | 1.5   | 0.7  | 0.6    | 0.6  | 0.6    | 0.3  | 0.5    | 0.6  |
| 86°   | 1.7  | 1.7   | 1.5  | 1.3   | 0.5  | 0.5    | 0.3  | 0.0    | 0.0  | 0.0    | 0.3  |
| 86.5° | 1.5  | 1.5   | 1.3  | 1.1   | 0.6  | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87°   | 1.3  | 1.2   | 1.2  | 0.9   | 0.4  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5° | 1.1  | 1.1   | 0.9  | 0.7   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 88°   | 0.9  | 0.9   | 0.8  | 0.5   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 88.5° | 0.8  | 0.5   | 0.7  | 0.4   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 89°   | 0.6  | 0.4   | 0.5  | 0.3   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 89.5° | 0.5  | 0.4   | 0.3  | 0.2   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90°    | 0.4 | 0.3   | 0.2 | 0.1   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 90.5°  | 0.2 | 0.2   | 0.1 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 91°    | 0.1 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 91.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 93°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 93.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 94°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 94.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 96°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 96.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 98°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 98.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 99°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 99.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 101°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 101.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.1  |
| 102°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.1  |
| 102.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.1    | 0.0  | 0.0    | 0.0  |
| 104.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.1    | 0.0  |
| 105.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.1    | 0.0  |
| 106°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.1  |
| 109°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 109.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 110°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 110.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 111°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 111.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 112°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 112.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 113°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.2  |
| 113.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.2  |
| 114°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 114.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.2    | 0.1  | 0.1    | 0.1  |
| 115°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 115.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.2    | 0.1  | 0.1    | 0.1  | 0.2    | 0.1  |
| 116°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.2    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 116.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  |
| 117°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.2  | 0.3    | 0.2  |
| 117.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.1  | 0.1    | 0.2  | 0.3    | 0.2  |
| 118°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.3  | 0.1    | 0.2  | 0.2    | 0.2  |
| 118.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.1    | 0.2  | 0.3    | 0.3  | 0.3    | 0.2  |
| 119°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.2    | 0.3  | 0.2    | 0.3  | 0.3    | 0.3  |
| 119.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.2    | 0.3  | 0.2    | 0.3  | 0.3    | 0.3  |
| 120°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.1 | 0.3    | 0.3  | 0.2    | 0.3  | 0.3    | 0.3  |
| 120.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.3    | 0.3  | 0.2    | 0.3  | 0.3    | 0.3  |
| 121°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.2    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 121.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.2    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 122°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.2    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 122.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.3    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 123°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 | 0.3    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 123.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 124°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 124.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  | 0.3    | 0.3  |
| 125°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.4    | 0.3  | 0.4    | 0.4  |
| 125.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.4  | 0.4    | 0.3  | 0.4    | 0.3  |
| 126°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.3    | 0.3  | 0.4    | 0.5  |
| 126.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.4  | 0.3    | 0.3  | 0.4    | 0.5  |
| 127°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.4  | 0.3    | 0.4  | 0.4    | 0.4  |
| 127.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.3  | 0.3    | 0.4  | 0.4    | 0.4  |
| 128°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.5  | 0.4    | 0.4  | 0.4    | 0.5  |
| 128.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.5  | 0.4    | 0.4  | 0.5    | 0.4  |
| 129°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.3    | 0.4  | 0.4    | 0.4  | 0.5    | 0.4  |
| 129.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.4    | 0.4  | 0.4    | 0.4  | 0.5    | 0.5  |
| 130°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.4    | 0.5  | 0.4    | 0.5  | 0.5    | 0.5  |
| 130.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.5    | 0.5  | 0.4    | 0.5  | 0.5    | 0.5  |
| 131°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.4    | 0.5  | 0.4    | 0.5  | 0.5    | 0.5  |
| 131.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.4    | 0.5  | 0.4    | 0.5  | 0.5    | 0.5  |
| 132°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.5    | 0.5  | 0.5    | 0.5  | 0.5    | 0.5  |
| 132.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.3 | 0.5    | 0.5  | 0.5    | 0.5  | 0.5    | 0.6  |
| 133°   | 0.1 | 0.0   | 0.0 | 0.0   | 0.3 | 0.5    | 0.5  | 0.5    | 0.5  | 0.6    | 0.5  |
| 133.5° | 0.0 | 0.0   | 0.1 | 0.0   | 0.3 | 0.5    | 0.5  | 0.5    | 0.5  | 0.5    | 0.5  |
| 134°   | 0.0 | 0.0   | 0.1 | 0.0   | 0.4 | 0.5    | 0.6  | 0.5    | 0.5  | 0.5    | 0.5  |
| 134.5° | 0.0 | 0.1   | 0.2 | 0.0   | 0.4 | 0.5    | 0.6  | 0.5    | 0.5  | 0.5    | 0.5  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 135°   | 0.0 | 0.1   | 0.2 | 0.1   | 0.4 | 0.5    | 0.5  | 0.6    | 0.5  | 0.6    | 0.6  |
| 135.5° | 0.2 | 0.1   | 0.3 | 0.1   | 0.4 | 0.5    | 0.5  | 0.5    | 0.5  | 0.6    | 0.6  |
| 136°   | 0.3 | 0.2   | 0.4 | 0.1   | 0.4 | 0.5    | 0.5  | 0.5    | 0.6  | 0.6    | 0.5  |
| 136.5° | 0.3 | 0.3   | 0.4 | 0.2   | 0.4 | 0.5    | 0.5  | 0.5    | 0.5  | 0.6    | 0.7  |
| 137°   | 0.5 | 0.5   | 0.4 | 0.2   | 0.4 | 0.5    | 0.5  | 0.5    | 0.5  | 0.6    | 0.7  |
| 137.5° | 0.5 | 0.7   | 0.6 | 0.3   | 0.4 | 0.5    | 0.5  | 0.5    | 0.7  | 0.6    | 0.6  |
| 138°   | 0.5 | 0.7   | 0.7 | 0.3   | 0.4 | 0.5    | 0.5  | 0.5    | 0.7  | 0.7    | 0.6  |
| 138.5° | 0.6 | 0.6   | 0.7 | 0.4   | 0.5 | 0.6    | 0.5  | 0.7    | 0.6  | 0.7    | 0.6  |
| 139°   | 0.8 | 0.6   | 0.7 | 0.4   | 0.4 | 0.6    | 0.5  | 0.7    | 0.6  | 0.7    | 0.7  |
| 139.5° | 0.8 | 0.6   | 0.7 | 0.5   | 0.4 | 0.6    | 0.7  | 0.6    | 0.6  | 0.7    | 0.7  |
| 140°   | 0.7 | 0.7   | 0.7 | 0.6   | 0.5 | 0.6    | 0.7  | 0.6    | 0.6  | 0.7    | 0.7  |
| 140.5° | 0.8 | 0.6   | 0.7 | 0.7   | 0.5 | 0.6    | 0.6  | 0.6    | 0.6  | 0.7    | 0.7  |
| 141°   | 0.8 | 0.6   | 0.7 | 0.7   | 0.5 | 0.6    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 141.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.6 | 0.6    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 142°   | 0.8 | 0.7   | 0.7 | 0.7   | 0.6 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 142.5° | 0.8 | 0.7   | 0.7 | 0.9   | 0.5 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 143°   | 0.8 | 0.8   | 0.7 | 0.9   | 0.5 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 143.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 144°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 144.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.6 | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 145°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.6 | 0.7    | 0.7  | 0.8    | 0.7  | 0.7    | 0.7  |
| 145.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.7  | 0.7    | 0.7  | 0.7    | 0.8  |
| 146°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.7  | 0.7    | 0.7  | 0.7    | 0.7  |
| 146.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.7    | 0.7  | 0.7    | 0.7  | 0.9    | 0.7  |
| 147°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.7    | 0.9  | 0.7    | 0.7  | 0.9    | 0.8  |
| 147.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.9  | 0.9    | 0.7  | 0.8    | 0.8  |
| 148°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.9    | 0.9  | 0.8    | 0.8  |
| 148.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.8 | 0.9    | 0.8  | 0.8    | 0.9  | 0.8    | 0.8  |
| 149°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.9    | 0.8  | 0.8    | 0.8  | 0.8    | 0.9  |
| 149.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 150°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 150.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 151°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 151.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |
| 152°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 152.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 153°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 153.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 154°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 154.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.8    | 0.7  | 0.8    | 0.8  |
| 155°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 155.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 156°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 156.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 157°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 157.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 158°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 158.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 159°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 159.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 160°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 160.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 161°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 161.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 162°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 162.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 163°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 163.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 164°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 164.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 165°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 165.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 166°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 166.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 167°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 167.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 168°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 168.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 169°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 169.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 170°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 170.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 171°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 171.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 172°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 172.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 173°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 173.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 174°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 174.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 175°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 175.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 176°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 176.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 177°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 177.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 178°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 178.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 179°   | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |
| 179.5° | 0.8 | 0.8   | 0.7 | 0.8   | 0.7 | 0.8    | 0.8  | 0.7    | 0.7  | 0.8    | 0.8  |



TEST NUMBER: P565412  
CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 180° | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 384.2  | 384.2 | 384.2  | 384.2 | 384.2  | 384.2 |
| 0.5°  | 384.0  | 384.8 | 385.7  | 384.6 | 384.6  | 383.7 |
| 1°    | 384.8  | 384.2 | 385.7  | 384.1 | 385.4  | 384.8 |
| 1.5°  | 384.1  | 383.1 | 386.0  | 382.9 | 385.8  | 385.4 |
| 2°    | 383.1  | 383.2 | 384.8  | 382.4 | 385.5  | 384.5 |
| 2.5°  | 383.5  | 381.6 | 385.3  | 384.5 | 385.0  | 384.9 |
| 3°    | 383.4  | 380.7 | 384.8  | 384.4 | 385.6  | 384.2 |
| 3.5°  | 383.0  | 382.0 | 384.5  | 384.1 | 385.2  | 383.8 |
| 4°    | 382.6  | 382.0 | 383.5  | 383.3 | 383.2  | 384.8 |
| 4.5°  | 383.4  | 382.6 | 383.1  | 382.6 | 383.5  | 384.3 |
| 5°    | 383.0  | 381.5 | 382.4  | 383.6 | 383.0  | 384.9 |
| 5.5°  | 382.4  | 380.3 | 383.0  | 382.6 | 382.9  | 383.6 |
| 6°    | 381.8  | 380.2 | 382.2  | 381.8 | 382.3  | 382.8 |
| 6.5°  | 380.7  | 379.6 | 381.0  | 380.4 | 382.3  | 382.5 |
| 7°    | 380.1  | 379.6 | 381.2  | 380.5 | 381.9  | 381.8 |
| 7.5°  | 379.6  | 379.1 | 380.5  | 380.5 | 382.6  | 379.5 |
| 8°    | 379.0  | 376.4 | 379.1  | 380.7 | 380.4  | 379.5 |
| 8.5°  | 378.6  | 375.5 | 378.9  | 379.3 | 379.9  | 379.4 |
| 9°    | 377.6  | 375.8 | 378.7  | 378.0 | 379.1  | 378.9 |
| 9.5°  | 377.3  | 374.7 | 379.3  | 378.3 | 379.2  | 377.1 |
| 10°   | 376.1  | 374.3 | 377.4  | 377.0 | 378.1  | 377.9 |
| 10.5° | 375.2  | 373.9 | 376.7  | 376.0 | 377.4  | 378.4 |
| 11°   | 374.7  | 372.2 | 376.2  | 375.7 | 376.5  | 375.2 |
| 11.5° | 372.7  | 370.9 | 374.4  | 375.0 | 375.1  | 373.9 |
| 12°   | 372.7  | 370.1 | 373.9  | 374.3 | 374.0  | 373.9 |
| 12.5° | 372.6  | 368.9 | 371.2  | 372.8 | 374.3  | 374.1 |
| 13°   | 370.2  | 368.4 | 371.4  | 371.3 | 373.2  | 374.4 |
| 13.5° | 367.8  | 366.4 | 371.0  | 371.1 | 372.8  | 371.4 |
| 14°   | 366.4  | 365.9 | 368.9  | 370.1 | 370.0  | 368.9 |
| 14.5° | 366.3  | 364.3 | 369.5  | 368.1 | 368.9  | 367.4 |
| 15°   | 365.7  | 363.6 | 365.7  | 366.0 | 368.6  | 367.6 |
| 15.5° | 365.3  | 362.5 | 364.9  | 365.5 | 367.0  | 367.8 |
| 16°   | 363.4  | 360.8 | 364.1  | 364.3 | 365.5  | 367.6 |
| 16.5° | 360.9  | 359.2 | 363.5  | 363.4 | 364.0  | 366.5 |
| 17°   | 360.4  | 358.2 | 361.7  | 362.4 | 362.8  | 364.3 |
| 17.5° | 360.9  | 356.5 | 359.6  | 361.0 | 361.7  | 360.9 |
| 18°   | 357.6  | 355.6 | 358.7  | 359.1 | 359.3  | 361.2 |
| 18.5° | 355.0  | 353.2 | 357.1  | 357.9 | 358.5  | 359.9 |
| 19°   | 353.2  | 352.1 | 355.5  | 356.1 | 357.4  | 358.0 |
| 19.5° | 352.7  | 350.1 | 354.6  | 354.6 | 354.9  | 355.1 |
| 20°   | 351.1  | 348.3 | 352.2  | 352.9 | 353.7  | 353.9 |
| 20.5° | 347.3  | 346.2 | 351.1  | 351.1 | 352.6  | 352.0 |
| 21°   | 347.2  | 345.2 | 349.6  | 349.3 | 350.3  | 350.5 |
| 21.5° | 345.8  | 344.1 | 348.0  | 347.7 | 349.1  | 349.8 |
| 22°   | 343.2  | 341.7 | 347.2  | 346.0 | 346.6  | 347.8 |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 22.5° | 341.4  | 339.6 | 344.5  | 344.3 | 344.6  | 346.1 |
| 23°   | 338.9  | 337.3 | 340.4  | 341.9 | 343.8  | 343.1 |
| 23.5° | 337.0  | 335.6 | 339.6  | 340.4 | 341.6  | 341.0 |
| 24°   | 334.8  | 333.7 | 338.0  | 338.4 | 338.6  | 339.9 |
| 24.5° | 332.3  | 331.7 | 336.4  | 336.0 | 336.4  | 338.9 |
| 25°   | 329.8  | 329.8 | 334.0  | 333.9 | 333.6  | 336.3 |
| 25.5° | 327.9  | 326.4 | 331.8  | 332.2 | 333.1  | 333.1 |
| 26°   | 324.9  | 324.8 | 329.9  | 330.1 | 331.2  | 331.5 |
| 26.5° | 324.2  | 322.5 | 327.7  | 328.0 | 329.4  | 329.2 |
| 27°   | 320.7  | 319.7 | 325.3  | 325.7 | 326.7  | 326.7 |
| 27.5° | 318.9  | 317.4 | 323.1  | 323.6 | 323.0  | 324.6 |
| 28°   | 316.0  | 314.1 | 319.9  | 321.3 | 320.5  | 322.0 |
| 28.5° | 312.8  | 312.6 | 317.0  | 318.5 | 318.8  | 319.9 |
| 29°   | 311.9  | 310.2 | 314.5  | 315.9 | 316.5  | 317.5 |
| 29.5° | 308.9  | 307.6 | 311.6  | 312.9 | 313.2  | 314.8 |
| 30°   | 306.7  | 304.8 | 309.2  | 310.4 | 312.3  | 312.3 |
| 30.5° | 303.9  | 302.6 | 306.3  | 308.0 | 309.9  | 309.6 |
| 31°   | 300.5  | 299.7 | 303.7  | 305.6 | 306.8  | 307.2 |
| 31.5° | 296.4  | 296.4 | 301.6  | 302.9 | 304.4  | 304.5 |
| 32°   | 294.8  | 293.2 | 298.7  | 300.4 | 301.4  | 301.8 |
| 32.5° | 292.5  | 290.5 | 296.4  | 297.5 | 298.7  | 298.9 |
| 33°   | 289.4  | 287.8 | 293.2  | 294.8 | 296.1  | 296.1 |
| 33.5° | 286.0  | 284.9 | 290.1  | 291.7 | 293.4  | 293.8 |
| 34°   | 282.6  | 282.0 | 286.8  | 288.7 | 290.1  | 290.9 |
| 34.5° | 280.5  | 278.9 | 283.9  | 285.6 | 286.9  | 288.1 |
| 35°   | 277.5  | 275.6 | 280.7  | 282.5 | 284.8  | 285.4 |
| 35.5° | 274.8  | 272.8 | 277.4  | 279.7 | 281.9  | 282.1 |
| 36°   | 271.4  | 270.0 | 274.5  | 276.7 | 278.8  | 279.1 |
| 36.5° | 267.6  | 266.6 | 271.6  | 273.5 | 275.7  | 275.8 |
| 37°   | 264.0  | 262.9 | 268.5  | 270.2 | 272.4  | 272.6 |
| 37.5° | 260.3  | 259.4 | 265.4  | 267.1 | 269.1  | 269.5 |
| 38°   | 256.9  | 256.3 | 262.1  | 263.8 | 265.7  | 266.5 |
| 38.5° | 253.6  | 253.1 | 258.7  | 260.5 | 262.6  | 263.2 |
| 39°   | 250.8  | 249.5 | 255.5  | 257.3 | 259.5  | 260.1 |
| 39.5° | 246.5  | 245.6 | 252.2  | 253.9 | 256.2  | 256.8 |
| 40°   | 242.9  | 242.4 | 248.8  | 250.5 | 253.0  | 253.5 |
| 40.5° | 239.7  | 239.0 | 245.3  | 247.1 | 249.3  | 250.2 |
| 41°   | 236.2  | 235.7 | 241.7  | 243.8 | 246.0  | 246.8 |
| 41.5° | 232.4  | 232.2 | 238.3  | 240.5 | 242.8  | 243.2 |
| 42°   | 228.8  | 228.7 | 234.6  | 237.4 | 239.1  | 239.8 |
| 42.5° | 225.5  | 225.4 | 231.2  | 234.1 | 235.5  | 236.5 |
| 43°   | 222.0  | 222.2 | 227.7  | 230.6 | 232.1  | 233.0 |
| 43.5° | 218.3  | 218.3 | 224.0  | 227.0 | 228.4  | 229.3 |
| 44°   | 214.6  | 214.9 | 220.5  | 223.1 | 224.9  | 225.7 |
| 44.5° | 210.9  | 211.1 | 217.3  | 219.5 | 221.4  | 222.2 |





TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|-------|--------|-------|--------|-------|--------|-------|
| 45°   | 207.6  | 207.7 | 213.9  | 215.7 | 218.1  | 218.7 |
| 45.5° | 203.9  | 204.2 | 209.8  | 212.0 | 214.5  | 214.8 |
| 46°   | 199.8  | 200.5 | 206.0  | 208.2 | 210.7  | 211.4 |
| 46.5° | 195.9  | 197.1 | 202.1  | 204.6 | 206.8  | 207.9 |
| 47°   | 192.1  | 193.0 | 198.3  | 201.0 | 203.1  | 204.1 |
| 47.5° | 188.7  | 189.0 | 194.7  | 197.1 | 199.1  | 200.5 |
| 48°   | 184.8  | 185.8 | 190.8  | 193.5 | 195.4  | 196.7 |
| 48.5° | 181.4  | 181.9 | 187.3  | 189.7 | 191.7  | 192.9 |
| 49°   | 177.7  | 178.3 | 183.3  | 186.1 | 188.4  | 189.0 |
| 49.5° | 174.0  | 174.5 | 179.4  | 182.3 | 184.8  | 185.4 |
| 50°   | 170.0  | 170.8 | 175.8  | 178.5 | 180.9  | 181.6 |
| 50.5° | 166.0  | 167.1 | 171.9  | 174.7 | 177.1  | 178.0 |
| 51°   | 162.3  | 163.2 | 168.3  | 171.1 | 173.3  | 174.2 |
| 51.5° | 158.7  | 159.1 | 164.3  | 167.3 | 169.9  | 170.3 |
| 52°   | 155.0  | 155.3 | 160.2  | 163.4 | 165.5  | 166.7 |
| 52.5° | 151.0  | 151.2 | 156.4  | 159.4 | 161.6  | 162.5 |
| 53°   | 146.7  | 147.2 | 152.1  | 155.2 | 157.9  | 158.8 |
| 53.5° | 143.0  | 142.9 | 147.8  | 151.5 | 153.6  | 155.1 |
| 54°   | 138.5  | 138.8 | 143.7  | 147.3 | 149.7  | 150.9 |
| 54.5° | 134.5  | 134.4 | 139.6  | 142.8 | 145.5  | 146.7 |
| 55°   | 130.3  | 130.5 | 135.4  | 138.4 | 141.4  | 142.5 |
| 55.5° | 126.4  | 126.5 | 131.1  | 134.4 | 137.1  | 138.2 |
| 56°   | 122.6  | 122.5 | 127.1  | 130.5 | 132.9  | 134.0 |
| 56.5° | 118.6  | 118.5 | 123.5  | 126.4 | 129.1  | 129.9 |
| 57°   | 114.9  | 114.8 | 119.5  | 122.3 | 125.0  | 125.9 |
| 57.5° | 110.8  | 111.0 | 115.3  | 118.3 | 121.2  | 121.7 |
| 58°   | 107.0  | 107.3 | 111.3  | 114.2 | 116.9  | 118.1 |
| 58.5° | 103.3  | 103.4 | 107.6  | 110.4 | 113.1  | 114.0 |
| 59°   | 99.4   | 99.8  | 104.1  | 106.6 | 109.2  | 110.1 |
| 59.5° | 95.8   | 96.4  | 100.5  | 102.8 | 105.3  | 106.2 |
| 60°   | 92.3   | 92.7  | 96.7   | 99.3  | 101.5  | 102.4 |
| 60.5° | 88.6   | 89.3  | 93.1   | 95.7  | 97.9   | 98.6  |
| 61°   | 85.0   | 85.7  | 89.7   | 92.1  | 94.3   | 95.1  |
| 61.5° | 81.6   | 82.3  | 86.0   | 88.8  | 90.8   | 91.7  |
| 62°   | 78.2   | 78.9  | 82.5   | 85.3  | 87.5   | 88.4  |
| 62.5° | 74.9   | 75.3  | 79.1   | 81.8  | 83.8   | 84.6  |
| 63°   | 71.5   | 72.0  | 75.7   | 78.3  | 79.9   | 80.8  |
| 63.5° | 68.3   | 68.6  | 72.3   | 75.0  | 76.7   | 76.9  |
| 64°   | 64.9   | 65.4  | 69.0   | 71.7  | 73.4   | 74.0  |
| 64.5° | 61.7   | 62.1  | 65.6   | 68.3  | 70.0   | 71.2  |
| 65°   | 58.3   | 58.8  | 62.4   | 65.0  | 66.5   | 67.7  |
| 65.5° | 55.2   | 55.6  | 59.0   | 61.8  | 63.1   | 64.4  |
| 66°   | 52.1   | 52.6  | 55.8   | 58.5  | 60.0   | 61.1  |
| 66.5° | 49.0   | 49.4  | 52.5   | 55.4  | 56.9   | 57.7  |
| 67°   | 46.1   | 46.4  | 49.6   | 52.2  | 53.9   | 54.8  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|------|--------|------|--------|------|
| 67.5° | 43.1   | 43.3 | 46.5   | 49.1 | 50.8   | 51.4 |
| 68°   | 40.1   | 40.6 | 43.6   | 46.1 | 47.8   | 48.3 |
| 68.5° | 37.5   | 37.9 | 40.7   | 43.2 | 44.8   | 45.3 |
| 69°   | 34.8   | 35.3 | 38.0   | 40.5 | 41.9   | 42.5 |
| 69.5° | 32.2   | 32.5 | 35.3   | 37.6 | 39.1   | 39.7 |
| 70°   | 29.6   | 30.2 | 32.8   | 34.9 | 36.4   | 37.0 |
| 70.5° | 27.2   | 27.8 | 30.3   | 32.4 | 33.9   | 34.3 |
| 71°   | 25.0   | 25.6 | 28.0   | 30.0 | 31.3   | 31.9 |
| 71.5° | 22.8   | 23.5 | 25.6   | 27.7 | 28.9   | 29.4 |
| 72°   | 21.0   | 21.7 | 23.7   | 25.4 | 26.6   | 27.4 |
| 72.5° | 19.1   | 19.8 | 21.7   | 23.3 | 24.6   | 25.0 |
| 73°   | 17.4   | 18.1 | 19.9   | 21.6 | 22.7   | 23.0 |
| 73.5° | 15.8   | 16.5 | 18.3   | 19.8 | 20.7   | 21.3 |
| 74°   | 14.2   | 15.1 | 16.7   | 18.1 | 19.1   | 19.4 |
| 74.5° | 13.0   | 13.6 | 15.3   | 16.5 | 17.5   | 17.8 |
| 75°   | 11.7   | 12.5 | 13.9   | 15.1 | 15.9   | 16.3 |
| 75.5° | 10.6   | 11.4 | 12.7   | 13.8 | 14.4   | 15.0 |
| 76°   | 9.5    | 10.3 | 11.4   | 12.5 | 13.2   | 13.7 |
| 76.5° | 8.5    | 9.4  | 10.4   | 11.5 | 12.2   | 12.5 |
| 77°   | 7.7    | 8.4  | 9.5    | 10.4 | 11.1   | 11.4 |
| 77.5° | 6.8    | 7.6  | 8.7    | 9.5  | 10.1   | 10.5 |
| 78°   | 6.1    | 6.8  | 7.8    | 8.6  | 9.3    | 9.5  |
| 78.5° | 5.3    | 6.2  | 7.0    | 7.8  | 8.4    | 8.6  |
| 79°   | 4.7    | 5.5  | 6.2    | 7.0  | 7.6    | 7.8  |
| 79.5° | 4.0    | 4.8  | 5.5    | 6.3  | 6.8    | 7.1  |
| 80°   | 3.6    | 4.2  | 4.9    | 5.6  | 6.1    | 6.3  |
| 80.5° | 2.9    | 3.7  | 4.3    | 5.0  | 5.4    | 5.7  |
| 81°   | 2.6    | 3.3  | 3.8    | 4.4  | 4.7    | 5.0  |
| 81.5° | 2.1    | 3.0  | 3.3    | 3.8  | 4.2    | 4.5  |
| 82°   | 1.9    | 2.7  | 3.0    | 3.3  | 3.4    | 3.8  |
| 82.5° | 1.7    | 2.4  | 2.7    | 2.9  | 3.2    | 3.3  |
| 83°   | 1.6    | 2.3  | 2.5    | 2.7  | 3.1    | 3.0  |
| 83.5° | 1.5    | 2.0  | 2.3    | 2.5  | 2.7    | 2.7  |
| 84°   | 0.9    | 1.9  | 2.1    | 2.3  | 2.4    | 2.5  |
| 84.5° | 0.8    | 1.7  | 1.9    | 2.0  | 2.3    | 2.3  |
| 85°   | 0.6    | 1.4  | 1.7    | 1.9  | 2.0    | 2.1  |
| 85.5° | 0.6    | 1.3  | 1.5    | 1.7  | 1.8    | 1.9  |
| 86°   | 0.5    | 1.1  | 1.3    | 1.5  | 1.6    | 1.7  |
| 86.5° | 0.3    | 0.9  | 1.1    | 1.3  | 1.4    | 1.5  |
| 87°   | 0.0    | 0.7  | 0.9    | 1.1  | 1.2    | 1.3  |
| 87.5° | 0.0    | 0.5  | 0.7    | 0.9  | 1.0    | 1.1  |
| 88°   | 0.0    | 0.4  | 0.6    | 0.7  | 0.9    | 0.9  |
| 88.5° | 0.0    | 0.3  | 0.5    | 0.6  | 0.7    | 0.8  |
| 89°   | 0.0    | 0.1  | 0.3    | 0.5  | 0.5    | 0.6  |
| 89.5° | 0.0    | 0.1  | 0.2    | 0.3  | 0.4    | 0.5  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90°    | 0.0    | 0.0  | 0.0    | 0.2  | 0.3    | 0.4  |
| 90.5°  | 0.0    | 0.0  | 0.0    | 0.1  | 0.1    | 0.2  |
| 91°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.1    | 0.1  |
| 91.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 93°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 93.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 94°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 94.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 96°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 96.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 98°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 98.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 99°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 99.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 101°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 101.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 103.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 104.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 106.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 108.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 109.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 111.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 112°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 112.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 113.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 114.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 116°   | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 116.5° | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117°   | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 118°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 118.5° | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 119°   | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 119.5° | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120.5° | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 121°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 121.5° | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 123°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 123.5° | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 124°   | 0.3    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 124.5° | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125.5° | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 126°   | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 126.5° | 0.5    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127°   | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 128°   | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 128.5° | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 129°   | 0.4    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 129.5° | 0.5    | 0.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.5    | 0.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130.5° | 0.5    | 0.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 131°   | 0.5    | 0.3  | 0.0    | 0.0  | 0.0    | 0.0  |
| 131.5° | 0.5    | 0.3  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132°   | 0.5    | 0.3  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.5    | 0.3  | 0.0    | 0.0  | 0.0    | 0.0  |
| 133°   | 0.5    | 0.3  | 0.1    | 0.1  | 0.1    | 0.1  |
| 133.5° | 0.5    | 0.3  | 0.1    | 0.1  | 0.1    | 0.0  |
| 134°   | 0.5    | 0.3  | 0.2    | 0.0  | 0.1    | 0.0  |
| 134.5° | 0.5    | 0.3  | 0.3    | 0.1  | 0.3    | 0.0  |



TEST NUMBER: P565412  
 CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 135°   | 0.5    | 0.3  | 0.4    | 0.2  | 0.3    | 0.0  |
| 135.5° | 0.5    | 0.3  | 0.4    | 0.3  | 0.3    | 0.2  |
| 136°   | 0.5    | 0.3  | 0.5    | 0.3  | 0.3    | 0.3  |
| 136.5° | 0.5    | 0.5  | 0.5    | 0.4  | 0.3    | 0.3  |
| 137°   | 0.5    | 0.5  | 0.5    | 0.6  | 0.4    | 0.5  |
| 137.5° | 0.5    | 0.5  | 0.6    | 0.7  | 0.5    | 0.5  |
| 138°   | 0.5    | 0.7  | 0.6    | 0.7  | 0.5    | 0.5  |
| 138.5° | 0.5    | 0.7  | 0.7    | 0.7  | 0.5    | 0.6  |
| 139°   | 0.5    | 0.8  | 0.7    | 0.7  | 0.7    | 0.8  |
| 139.5° | 0.6    | 0.8  | 0.7    | 0.8  | 0.7    | 0.8  |
| 140°   | 0.6    | 0.7  | 0.7    | 0.8  | 0.7    | 0.7  |
| 140.5° | 0.6    | 0.7  | 0.8    | 0.7  | 0.7    | 0.8  |
| 141°   | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.8  |
| 141.5° | 0.7    | 0.7  | 0.7    | 0.7  | 0.7    | 0.8  |
| 142°   | 0.7    | 0.7  | 0.8    | 0.7  | 0.7    | 0.8  |
| 142.5° | 0.7    | 0.7  | 0.8    | 0.7  | 0.7    | 0.8  |
| 143°   | 0.7    | 0.7  | 0.8    | 0.7  | 0.7    | 0.8  |
| 143.5° | 0.7    | 0.7  | 0.8    | 0.7  | 0.7    | 0.8  |
| 144°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 144.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 145°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 145.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 146°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 146.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 147°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 147.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 148°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 148.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 149°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 149.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 150°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 150.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 151°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 151.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 152°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 152.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 153°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 153.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 154°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 154.5° | 0.9    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 155°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 155.5° | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 156°   | 0.8    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 156.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 157°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |



TEST NUMBER: P565412

CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 157.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 158°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 158.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 159°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 159.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 160°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 160.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 161°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 161.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 162°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 162.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 163°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 163.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 164°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 164.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 165°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 165.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 166°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 166.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 167°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 167.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 168°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 168.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 169°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 169.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 170°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 170.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 171°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 171.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 172°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 172.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 173°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 173.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 174°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 174.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 175°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 175.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 176°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 176.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 177°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 177.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 178°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 178.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 179°   | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |
| 179.5° | 0.7    | 0.8  | 0.8    | 0.7  | 0.7    | 0.8  |



TEST NUMBER: P565412  
CATALOG NUMBER: LTQL6069S1EDM-3000K-UNIT

**CANDELA DISTRIBUTION (continued):**

|      |        |      |        |      |        |      |
|------|--------|------|--------|------|--------|------|
|      | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
| 180° | 0.8    | 0.8  | 0.8    | 0.8  | 0.8    | 0.8  |

(END OF REPORT)