

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: G2-2001-623-2

Luminaire Tested: **303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: G2-2001-623-2  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 525.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55  
Luminous Opening: Rectangular (W 0.35' x L: 0.19' x H: 0')  
CIE Type: Direct

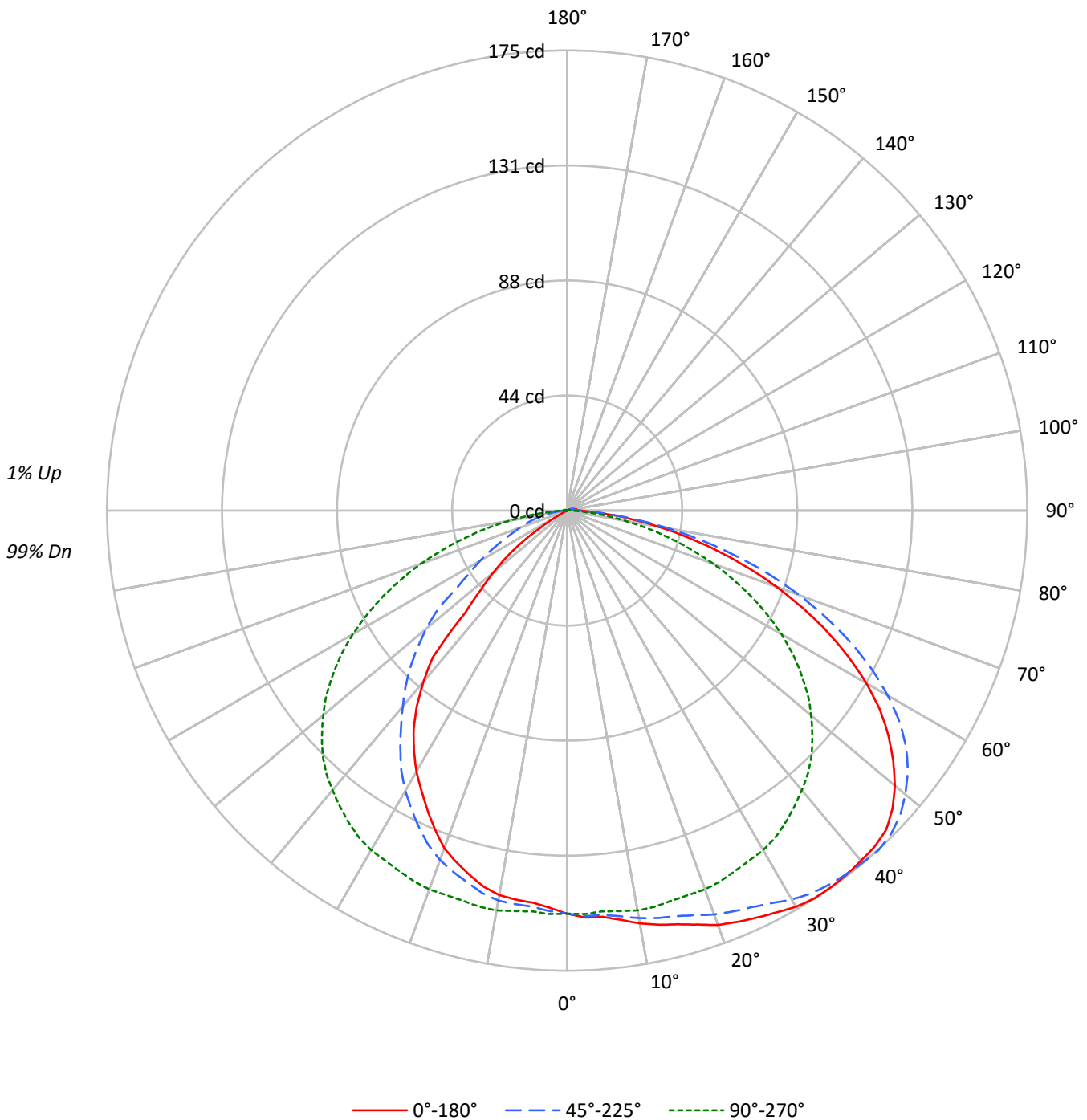
Input Watts (W): 8.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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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  | 0  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 101 | 101 | 101 | 99 |
| 1   | 108 | 103 | 99  | 95  | 105 | 101 | 97  | 93  | 96  | 93  | 90  |  | 92  | 90  | 87  |  | 89  | 86  | 84  | 82 |
| 2   | 98  | 89  | 82  | 76  | 95  | 87  | 81  | 75  | 84  | 78  | 74  |  | 80  | 76  | 72  |  | 77  | 73  | 70  | 68 |
| 3   | 89  | 78  | 70  | 63  | 86  | 76  | 69  | 62  | 73  | 67  | 61  |  | 70  | 65  | 60  |  | 68  | 63  | 59  | 56 |
| 4   | 81  | 69  | 60  | 53  | 79  | 67  | 59  | 52  | 65  | 57  | 52  |  | 62  | 56  | 51  |  | 60  | 55  | 50  | 48 |
| 5   | 74  | 61  | 52  | 45  | 72  | 60  | 51  | 45  | 58  | 50  | 44  |  | 56  | 49  | 44  |  | 54  | 48  | 43  | 41 |
| 6   | 69  | 55  | 46  | 39  | 67  | 54  | 45  | 39  | 52  | 44  | 38  |  | 50  | 43  | 38  |  | 48  | 42  | 38  | 35 |
| 7   | 63  | 50  | 41  | 34  | 62  | 49  | 40  | 34  | 47  | 39  | 34  |  | 46  | 39  | 33  |  | 44  | 38  | 33  | 31 |
| 8   | 59  | 45  | 36  | 30  | 57  | 44  | 36  | 30  | 43  | 35  | 30  |  | 42  | 35  | 30  |  | 40  | 34  | 29  | 28 |
| 9   | 55  | 41  | 33  | 27  | 53  | 41  | 33  | 27  | 39  | 32  | 27  |  | 38  | 31  | 27  |  | 37  | 31  | 26  | 25 |
| 10  | 51  | 38  | 30  | 24  | 50  | 37  | 30  | 24  | 36  | 29  | 24  |  | 35  | 29  | 24  |  | 34  | 28  | 24  | 22 |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 24849 | 24849 | 24849 |
| 5°  | 25236 | 24895 | 24358 |
| 10° | 26236 | 25413 | 24442 |
| 15° | 27336 | 25776 | 24064 |
| 20° | 28927 | 26443 | 23563 |
| 25° | 30547 | 27042 | 22481 |
| 30° | 32567 | 27907 | 21449 |
| 35° | 34609 | 28653 | 20144 |
| 40° | 36797 | 29369 | 17986 |
| 45° | 39336 | 30144 | 12539 |
| 50° | 41028 | 30538 | 9204  |
| 55° | 42164 | 30718 | 5963  |
| 60° | 42598 | 30506 | 1588  |
| 65° | 41921 | 29648 | 38    |
| 70° | 40141 | 28056 | 47    |
| 75° | 37075 | 25239 | 63    |
| 80° | 32857 | 20909 | 93    |
| 85° | 28269 | 14506 | 372   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 14.6   | 2.8       |
| 10°-20°   | 43.4   | 8.3       |
| 20°-30°   | 69.2   | 13.2      |
| 30°-40°   | 88.8   | 16.9      |
| 40°-50°   | 97.0   | 18.5      |
| 50°-60°   | 89.6   | 17.1      |
| 60°-70°   | 68.5   | 13.0      |
| 70°-80°   | 39.4   | 7.5       |
| 80°-90°   | 10.8   | 2.1       |
| 90°-100°  | 2.1    | 0.4       |
| 100°-110° | 1.3    | 0.2       |
| 110°-120° | 0.4    | 0.1       |
| 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°-30°    | 127.1  | 24.2      |
| 0°-40°    | 215.9  | 41.1      |
| 0°-60°    | 402.6  | 76.7      |
| 0°-90°    | 521.2  | 99.3      |
| 90°-120°  | 3.8    | 0.7       |
| 90°-150°  | 3.8    | 0.7       |
| 90°-180°  | 4.0    | 0.8       |
| 0°-180°   | 525.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0°   | 153 | 153 | 153 | 153  | 153  |      |
| 5°   | 155 | 154 | 153 | 151  | 150  | 15   |
| 15°  | 163 | 160 | 154 | 146  | 143  | 46   |
| 25°  | 171 | 166 | 151 | 133  | 126  | 79   |
| 35°  | 175 | 174 | 145 | 111  | 102  | 110  |
| 45°  | 172 | 174 | 132 | 84   | 55   | 132  |
| 55°  | 149 | 158 | 109 | 51   | 21   | 133  |
| 65°  | 109 | 119 | 77  | 27   | 0    | 108  |
| 75°  | 59  | 66  | 40  | 13   | 0    | 63   |
| 85°  | 15  | 16  | 8   | 3    | 0    | 17   |
| 90°  | 4   | 4   | 1   | 1    | 0    | 3    |
| 95°  | 4   | 3   | 1   | 1    | 0    | 3    |
| 105° | 2   | 2   | 1   | 1    | 0    | 3    |
| 115° | 1   | 0   | 0   | 0    | 0    | 1    |
| 125° | 0   | 0   | 0   | 0    | 0    | 0    |
| 135° | 0   | 0   | 0   | 0    | 0    | 0    |
| 145° | 0   | 0   | 0   | 0    | 0    | 0    |
| 155° | 0   | 0   | 0   | 0    | 0    | 0    |
| 165° | 0   | 0   | 0   | 0    | 0    | 0    |
| 175° | 0   | 0   | 0   | 0    | 0    | 0    |
| 180° | 0   | 0   | 0   | 0    | 0    | 0    |



TEST NUMBER: G2-2001-623-2

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 37°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 |
| 2.5°   | 154.9 | 153.2 | 152.4 | 153.4 | 152.6 | 154.3 | 153.7 | 153.4 | 153.4 | 154.5 | 154.4 |
| 5°     | 155.1 | 153.3 | 152.3 | 153.4 | 152.8 | 154.3 | 153.7 | 153.3 | 153.2 | 154.4 | 154.3 |
| 7.5°   | 157.0 | 155.0 | 154.0 | 155.2 | 154.5 | 155.9 | 155.2 | 154.8 | 154.7 | 155.9 | 155.6 |
| 10°    | 159.4 | 157.3 | 156.3 | 157.5 | 156.7 | 158.1 | 157.4 | 156.9 | 156.7 | 157.7 | 157.4 |
| 12.5°  | 161.3 | 159.1 | 158.3 | 159.4 | 158.5 | 159.8 | 159.2 | 158.4 | 158.3 | 159.1 | 158.7 |
| 15°    | 162.9 | 160.7 | 159.9 | 160.9 | 160.0 | 161.1 | 160.5 | 159.7 | 159.5 | 160.2 | 159.7 |
| 17.5°  | 165.1 | 162.9 | 162.0 | 163.2 | 162.3 | 162.9 | 162.3 | 161.6 | 161.5 | 162.0 | 161.3 |
| 20°    | 167.7 | 165.5 | 164.7 | 165.9 | 164.8 | 165.6 | 164.8 | 164.1 | 163.8 | 164.1 | 163.5 |
| 22.5°  | 169.3 | 167.2 | 166.7 | 167.9 | 166.8 | 167.4 | 166.8 | 166.0 | 165.8 | 166.0 | 165.0 |
| 25°    | 170.8 | 168.5 | 168.1 | 169.4 | 168.4 | 169.0 | 168.5 | 167.7 | 167.5 | 167.4 | 166.4 |
| 27.5°  | 172.3 | 170.0 | 169.7 | 171.1 | 170.2 | 170.8 | 170.4 | 169.8 | 169.5 | 169.3 | 168.3 |
| 30°    | 174.0 | 172.0 | 171.7 | 173.4 | 172.7 | 173.2 | 173.0 | 172.4 | 172.3 | 171.9 | 170.8 |
| 32.5°  | 174.9 | 173.1 | 173.1 | 174.8 | 174.5 | 175.1 | 175.0 | 174.5 | 174.3 | 173.9 | 172.6 |
| 35°    | 174.9 | 173.2 | 173.4 | 175.3 | 175.0 | 175.7 | 176.0 | 175.6 | 175.6 | 175.0 | 173.7 |
| 37.5°  | 174.5 | 173.1 | 173.5 | 175.4 | 175.2 | 176.0 | 176.6 | 176.3 | 176.4 | 175.8 | 174.3 |
| 40°    | 173.9 | 172.7 | 173.3 | 175.3 | 175.3 | 176.2 | 176.9 | 176.9 | 177.1 | 176.3 | 174.8 |
| 42.5°  | 173.2 | 172.1 | 172.9 | 174.9 | 175.0 | 175.9 | 177.3 | 177.3 | 177.5 | 176.7 | 175.2 |
| 45°    | 171.6 | 170.6 | 171.7 | 173.5 | 173.5 | 174.3 | 176.0 | 176.3 | 176.6 | 175.8 | 174.1 |
| 47.5°  | 167.8 | 167.0 | 168.3 | 170.2 | 170.7 | 171.5 | 173.5 | 173.8 | 174.3 | 173.4 | 171.7 |
| 50°    | 162.7 | 161.9 | 163.2 | 165.3 | 166.1 | 167.5 | 169.8 | 170.3 | 170.7 | 169.7 | 167.9 |
| 52.5°  | 156.3 | 155.9 | 157.1 | 159.3 | 160.6 | 162.0 | 164.5 | 165.5 | 166.2 | 165.4 | 163.3 |
| 55°    | 149.2 | 148.7 | 150.1 | 152.0 | 153.6 | 155.0 | 158.0 | 159.0 | 159.8 | 159.3 | 157.5 |
| 57.5°  | 141.0 | 140.6 | 142.0 | 143.7 | 145.4 | 146.7 | 150.0 | 151.1 | 151.9 | 151.5 | 150.0 |
| 60°    | 131.4 | 131.1 | 132.5 | 134.6 | 136.1 | 137.3 | 140.6 | 141.7 | 142.7 | 142.3 | 140.9 |
| 62.5°  | 120.8 | 120.6 | 122.0 | 123.6 | 125.5 | 126.6 | 129.9 | 131.1 | 132.1 | 131.4 | 130.6 |
| 65°    | 109.3 | 109.1 | 110.5 | 112.5 | 113.9 | 114.9 | 118.2 | 120.0 | 120.3 | 120.3 | 119.2 |
| 67.5°  | 97.1  | 97.0  | 98.3  | 100.1 | 101.5 | 102.4 | 105.4 | 107.2 | 107.6 | 107.7 | 106.8 |
| 70°    | 84.7  | 84.5  | 85.8  | 87.6  | 88.3  | 89.4  | 92.1  | 93.8  | 94.1  | 93.9  | 93.8  |
| 72.5°  | 71.9  | 71.8  | 72.9  | 74.2  | 75.4  | 76.1  | 78.5  | 79.9  | 80.1  | 80.2  | 80.4  |
| 75°    | 59.2  | 59.7  | 60.0  | 61.8  | 62.3  | 62.7  | 64.8  | 65.9  | 66.0  | 66.1  | 66.3  |
| 77.5°  | 46.9  | 46.8  | 47.6  | 49.2  | 49.4  | 49.7  | 51.3  | 52.1  | 52.2  | 52.3  | 52.4  |
| 80°    | 35.2  | 35.7  | 35.6  | 36.6  | 36.7  | 37.1  | 38.3  | 38.8  | 38.8  | 39.2  | 39.1  |
| 82.5°  | 24.4  | 24.9  | 24.7  | 25.5  | 25.5  | 25.6  | 26.4  | 26.6  | 26.5  | 26.8  | 26.8  |
| 85°    | 15.2  | 15.5  | 15.3  | 15.8  | 15.6  | 15.7  | 16.1  | 16.1  | 15.9  | 16.1  | 15.9  |
| 87.5°  | 8.3   | 8.4   | 8.2   | 8.7   | 8.6   | 8.3   | 8.4   | 8.2   | 8.0   | 8.0   | 7.8   |
| 90°    | 4.5   | 4.6   | 4.7   | 4.7   | 4.6   | 4.5   | 4.5   | 4.3   | 4.2   | 4.2   | 4.0   |
| 92.5°  | 4.0   | 4.0   | 4.1   | 4.1   | 4.1   | 4.0   | 4.0   | 3.9   | 3.8   | 3.7   | 3.6   |
| 95°    | 3.6   | 3.7   | 3.7   | 3.7   | 3.7   | 3.6   | 3.6   | 3.5   | 3.5   | 3.4   | 3.3   |
| 97.5°  | 3.3   | 3.4   | 3.4   | 3.4   | 3.4   | 3.3   | 3.3   | 3.2   | 3.2   | 3.1   | 3.0   |
| 100°   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.0   | 3.0   | 2.9   | 2.9   | 2.8   | 2.7   |
| 102.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.7   | 2.7   | 2.6   | 2.5   | 2.5   | 2.3   |
| 105°   | 2.5   | 2.5   | 2.5   | 2.5   | 2.4   | 2.3   | 2.3   | 2.2   | 2.1   | 2.1   | 1.9   |
| 107.5° | 2.2   | 2.2   | 2.2   | 2.2   | 2.1   | 2.0   | 1.9   | 1.8   | 1.7   | 1.6   | 1.5   |
| 110°   | 1.8   | 1.9   | 1.9   | 1.8   | 1.7   | 1.6   | 1.5   | 1.3   | 1.3   | 1.2   | 1.1   |



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CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 37° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 1.5 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.1 | 0.9 | 0.9 | 0.8 | 0.7 |
| 115°   | 1.0 | 1.1 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 | 0.6 | 0.5 | 0.4 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 |
| 2.5°   | 153.5 | 154.0 | 154.0 | 153.7 | 153.6 | 153.7 | 153.5 | 154.0 | 153.6 | 152.8 | 153.3 |
| 5°     | 153.3 | 153.9 | 153.7 | 153.5 | 153.1 | 153.3 | 153.1 | 153.5 | 153.0 | 152.2 | 152.6 |
| 7.5°   | 154.6 | 155.3 | 154.8 | 154.7 | 154.1 | 154.3 | 154.0 | 154.2 | 153.6 | 152.8 | 153.1 |
| 10°    | 156.3 | 157.2 | 156.4 | 156.2 | 155.2 | 155.5 | 155.0 | 155.0 | 154.4 | 153.5 | 153.6 |
| 12.5°  | 157.5 | 158.4 | 157.3 | 157.0 | 155.8 | 156.0 | 155.2 | 155.0 | 154.3 | 153.2 | 153.2 |
| 15°    | 158.5 | 159.3 | 158.0 | 157.5 | 156.0 | 156.1 | 155.0 | 154.5 | 153.6 | 152.3 | 152.0 |
| 17.5°  | 160.0 | 160.8 | 159.2 | 158.6 | 156.6 | 156.5 | 155.2 | 154.3 | 153.3 | 151.8 | 151.2 |
| 20°    | 162.0 | 162.8 | 160.9 | 160.1 | 157.7 | 157.6 | 155.9 | 154.6 | 153.3 | 151.5 | 150.5 |
| 22.5°  | 163.4 | 164.2 | 162.0 | 161.1 | 158.3 | 157.9 | 156.0 | 154.2 | 152.5 | 150.5 | 148.9 |
| 25°    | 164.8 | 165.5 | 162.9 | 161.8 | 158.5 | 157.9 | 155.6 | 153.3 | 151.2 | 148.8 | 146.9 |
| 27.5°  | 166.6 | 167.1 | 164.1 | 162.8 | 159.0 | 158.2 | 155.3 | 152.4 | 150.0 | 147.0 | 144.6 |
| 30°    | 168.9 | 169.4 | 166.0 | 164.4 | 160.0 | 158.9 | 155.4 | 152.1 | 149.1 | 145.6 | 142.5 |
| 32.5°  | 170.7 | 170.9 | 167.3 | 165.4 | 160.4 | 158.9 | 155.0 | 150.8 | 147.4 | 143.4 | 139.6 |
| 35°    | 171.8 | 171.6 | 167.6 | 165.4 | 160.0 | 158.1 | 153.7 | 148.8 | 144.8 | 140.4 | 135.9 |
| 37.5°  | 172.3 | 172.0 | 167.7 | 165.2 | 159.2 | 156.8 | 151.8 | 146.4 | 141.9 | 136.8 | 131.5 |
| 40°    | 172.9 | 172.2 | 167.5 | 164.7 | 158.2 | 155.3 | 149.9 | 143.9 | 138.8 | 133.3 | 127.3 |
| 42.5°  | 173.1 | 172.2 | 167.1 | 164.0 | 156.9 | 153.7 | 147.7 | 141.1 | 135.6 | 129.6 | 123.1 |
| 45°    | 172.1 | 170.7 | 165.4 | 161.9 | 154.5 | 150.7 | 144.4 | 137.3 | 131.5 | 125.2 | 118.2 |
| 47.5°  | 169.4 | 167.6 | 162.3 | 158.4 | 150.7 | 146.7 | 140.1 | 132.5 | 126.5 | 120.0 | 112.7 |
| 50°    | 165.8 | 163.6 | 158.2 | 154.1 | 146.1 | 141.8 | 135.0 | 127.3 | 121.1 | 114.5 | 107.0 |
| 52.5°  | 161.2 | 158.8 | 153.1 | 148.8 | 140.7 | 136.2 | 129.3 | 121.5 | 115.5 | 108.6 | 101.0 |
| 55°    | 155.2 | 152.6 | 146.9 | 142.4 | 134.3 | 129.7 | 122.9 | 114.9 | 108.7 | 102.1 | 94.6  |
| 57.5°  | 148.3 | 145.0 | 139.4 | 134.6 | 126.7 | 122.1 | 115.4 | 107.7 | 101.9 | 95.2  | 87.8  |
| 60°    | 139.5 | 136.2 | 130.5 | 125.8 | 118.0 | 113.5 | 107.1 | 100.0 | 94.1  | 87.7  | 80.7  |
| 62.5°  | 129.3 | 126.2 | 120.7 | 115.4 | 108.6 | 104.0 | 98.0  | 91.4  | 85.9  | 79.8  | 73.3  |
| 65°    | 118.1 | 115.0 | 110.2 | 105.1 | 98.4  | 94.0  | 88.5  | 82.3  | 77.3  | 71.6  | 65.6  |
| 67.5°  | 105.8 | 102.9 | 98.5  | 93.7  | 87.5  | 84.0  | 78.5  | 72.8  | 68.2  | 63.2  | 57.8  |
| 70°    | 92.8  | 90.0  | 86.3  | 81.6  | 76.5  | 72.5  | 68.2  | 63.1  | 59.2  | 54.8  | 49.9  |
| 72.5°  | 79.2  | 76.7  | 73.4  | 69.4  | 64.5  | 61.8  | 57.6  | 53.2  | 49.6  | 45.9  | 41.9  |
| 75°    | 65.3  | 63.1  | 60.4  | 57.0  | 52.8  | 50.6  | 47.0  | 43.3  | 40.3  | 37.3  | 33.9  |
| 77.5°  | 51.6  | 49.8  | 47.6  | 45.4  | 41.4  | 39.5  | 36.7  | 33.7  | 31.4  | 28.9  | 26.3  |
| 80°    | 38.2  | 36.8  | 35.1  | 33.1  | 30.5  | 28.9  | 26.7  | 24.4  | 22.4  | 20.9  | 19.3  |
| 82.5°  | 25.8  | 24.8  | 23.6  | 22.2  | 20.4  | 19.1  | 17.6  | 15.9  | 14.6  | 13.7  | 12.6  |
| 85°    | 15.3  | 14.6  | 13.8  | 12.8  | 11.6  | 10.9  | 9.9   | 8.8   | 7.8   | 7.4   | 7.0   |
| 87.5°  | 7.7   | 7.0   | 6.5   | 6.2   | 5.2   | 4.8   | 4.2   | 3.6   | 3.3   | 3.0   | 3.0   |
| 90°    | 3.8   | 3.5   | 3.2   | 2.9   | 2.6   | 2.3   | 1.9   | 1.6   | 1.4   | 1.4   | 1.5   |
| 92.5°  | 3.4   | 3.2   | 2.9   | 2.7   | 2.4   | 2.0   | 1.7   | 1.3   | 1.3   | 1.3   | 1.3   |
| 95°    | 3.1   | 2.9   | 2.7   | 2.4   | 2.1   | 1.8   | 1.4   | 1.2   | 1.2   | 1.2   | 1.2   |
| 97.5°  | 2.9   | 2.6   | 2.4   | 2.1   | 1.8   | 1.5   | 1.3   | 1.2   | 1.1   | 1.1   | 1.1   |
| 100°   | 2.5   | 2.3   | 2.1   | 1.8   | 1.5   | 1.3   | 1.2   | 1.1   | 1.1   | 1.1   | 1.1   |
| 102.5° | 2.2   | 2.0   | 1.8   | 1.5   | 1.2   | 1.2   | 1.1   | 1.0   | 1.0   | 1.0   | 1.0   |
| 105°   | 1.8   | 1.6   | 1.4   | 1.2   | 1.1   | 1.1   | 1.0   | 1.0   | 0.9   | 0.9   | 0.9   |
| 107.5° | 1.4   | 1.2   | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 0.8   | 0.8   | 0.8   | 0.8   |
| 110°   | 1.0   | 0.8   | 0.9   | 0.9   | 0.9   | 0.9   | 0.8   | 0.7   | 0.7   | 0.7   | 0.7   |





TEST NUMBER: G2-2001-623-2

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 112.5° | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6  |
| 115°   | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.4  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  |



TEST NUMBER: G2-2001-623-2

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 |
| 2.5°   | 152.8 | 154.4 | 153.2 | 152.6 | 153.2 | 152.7 | 152.5 | 153.7 | 152.1 | 151.5 | 151.2 |
| 5°     | 151.9 | 153.5 | 152.3 | 151.5 | 152.2 | 151.4 | 151.2 | 152.4 | 150.8 | 150.1 | 149.7 |
| 7.5°   | 152.3 | 153.8 | 152.5 | 151.6 | 152.3 | 151.2 | 151.0 | 152.0 | 150.5 | 149.7 | 149.4 |
| 10°    | 152.7 | 154.0 | 152.6 | 151.5 | 152.3 | 150.9 | 150.6 | 151.5 | 150.0 | 149.0 | 148.6 |
| 12.5°  | 152.1 | 153.1 | 151.6 | 150.3 | 151.1 | 149.3 | 149.0 | 149.6 | 148.1 | 147.0 | 146.6 |
| 15°    | 150.8 | 151.5 | 149.8 | 148.4 | 149.2 | 147.0 | 146.4 | 146.9 | 145.4 | 144.1 | 143.7 |
| 17.5°  | 149.7 | 150.2 | 148.2 | 146.6 | 147.2 | 144.7 | 144.1 | 144.3 | 142.7 | 141.2 | 140.6 |
| 20°    | 148.8 | 148.9 | 146.7 | 144.8 | 145.2 | 142.5 | 141.4 | 141.4 | 139.9 | 138.2 | 137.4 |
| 22.5°  | 146.8 | 146.4 | 144.2 | 141.9 | 142.0 | 139.0 | 137.7 | 137.4 | 135.6 | 133.7 | 133.0 |
| 25°    | 144.3 | 143.3 | 140.6 | 138.2 | 137.8 | 134.6 | 133.1 | 132.5 | 130.8 | 128.6 | 127.7 |
| 27.5°  | 141.5 | 139.9 | 136.9 | 134.1 | 133.4 | 129.8 | 128.1 | 127.2 | 125.4 | 123.0 | 122.2 |
| 30°    | 138.9 | 136.6 | 133.2 | 130.0 | 128.8 | 125.0 | 123.1 | 121.9 | 120.2 | 117.7 | 116.8 |
| 32.5°  | 135.4 | 132.4 | 128.4 | 124.8 | 123.3 | 119.3 | 117.3 | 115.8 | 114.1 | 111.7 | 111.1 |
| 35°    | 131.1 | 127.4 | 122.9 | 118.9 | 117.0 | 112.8 | 110.6 | 109.0 | 107.5 | 105.1 | 104.4 |
| 37.5°  | 126.4 | 122.0 | 117.0 | 112.7 | 110.3 | 106.0 | 103.8 | 102.1 | 100.7 | 98.5  | 97.7  |
| 40°    | 121.7 | 116.8 | 111.2 | 106.5 | 103.8 | 99.5  | 97.2  | 95.5  | 94.2  | 91.6  | 90.4  |
| 42.5°  | 117.0 | 111.5 | 105.4 | 100.4 | 97.5  | 93.2  | 91.0  | 89.2  | 87.1  | 84.2  | 82.5  |
| 45°    | 111.6 | 105.5 | 99.2  | 94.1  | 90.9  | 86.7  | 84.4  | 81.8  | 79.5  | 76.2  | 73.6  |
| 47.5°  | 105.8 | 99.3  | 92.8  | 87.6  | 84.3  | 80.1  | 77.1  | 73.9  | 71.1  | 66.8  | 57.8  |
| 50°    | 99.8  | 93.1  | 86.4  | 81.5  | 77.9  | 73.3  | 69.9  | 65.9  | 58.2  | 51.8  | 47.9  |
| 52.5°  | 93.6  | 86.8  | 80.2  | 75.4  | 71.4  | 66.5  | 62.4  | 52.9  | 47.7  | 43.7  | 40.3  |
| 55°    | 87.4  | 80.6  | 74.1  | 69.4  | 64.9  | 59.6  | 51.1  | 44.5  | 40.6  | 37.0  | 33.5  |
| 57.5°  | 80.9  | 74.2  | 67.9  | 63.1  | 58.1  | 49.5  | 43.7  | 38.2  | 34.6  | 30.5  | 26.5  |
| 60°    | 74.1  | 67.8  | 62.0  | 56.7  | 50.3  | 42.2  | 38.2  | 32.5  | 28.6  | 22.7  | 18.0  |
| 62.5°  | 67.2  | 61.3  | 55.5  | 50.4  | 42.9  | 36.6  | 32.5  | 26.8  | 21.0  | 16.8  | 12.4  |
| 65°    | 60.1  | 54.7  | 49.2  | 42.6  | 37.1  | 31.6  | 27.1  | 21.4  | 16.5  | 12.3  | 8.8   |
| 67.5°  | 52.9  | 48.0  | 43.3  | 36.9  | 32.1  | 27.2  | 22.6  | 17.5  | 13.3  | 10.4  | 7.7   |
| 70°    | 46.0  | 41.4  | 37.1  | 31.8  | 27.4  | 23.2  | 19.1  | 15.0  | 11.6  | 9.0   | 6.7   |
| 72.5°  | 38.4  | 34.8  | 31.0  | 26.6  | 23.0  | 19.5  | 16.1  | 12.7  | 9.8   | 7.7   | 5.7   |
| 75°    | 31.5  | 28.3  | 25.4  | 21.7  | 18.9  | 15.8  | 13.1  | 10.4  | 8.1   | 6.3   | 4.7   |
| 77.5°  | 24.5  | 22.0  | 19.8  | 16.9  | 14.5  | 12.4  | 10.3  | 8.1   | 6.4   | 5.0   | 3.7   |
| 80°    | 17.8  | 16.0  | 14.3  | 12.2  | 10.7  | 9.0   | 7.6   | 6.0   | 4.8   | 3.7   | 2.8   |
| 82.5°  | 11.8  | 10.5  | 9.4   | 8.1   | 7.1   | 6.1   | 5.2   | 4.2   | 3.3   | 2.6   | 2.0   |
| 85°    | 6.6   | 6.0   | 5.3   | 4.6   | 4.2   | 3.6   | 3.1   | 2.6   | 2.1   | 1.7   | 1.3   |
| 87.5°  | 3.0   | 2.8   | 2.6   | 2.4   | 2.1   | 1.9   | 1.7   | 1.5   | 1.3   | 1.1   | 0.9   |
| 90°    | 1.6   | 1.6   | 1.6   | 1.6   | 1.5   | 1.4   | 1.3   | 1.2   | 1.1   | 0.9   | 0.7   |
| 92.5°  | 1.4   | 1.4   | 1.5   | 1.5   | 1.4   | 1.3   | 1.2   | 1.1   | 1.0   | 0.8   | 0.7   |
| 95°    | 1.3   | 1.3   | 1.4   | 1.4   | 1.3   | 1.2   | 1.2   | 1.0   | 0.9   | 0.7   | 0.6   |
| 97.5°  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.1   | 1.1   | 0.9   | 0.8   | 0.7   | 0.5   |
| 100°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.0   | 0.9   | 0.8   | 0.7   | 0.6   | 0.4   |
| 102.5° | 1.0   | 0.9   | 1.0   | 1.0   | 1.0   | 0.9   | 0.8   | 0.7   | 0.6   | 0.5   | 0.4   |
| 105°   | 0.9   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 0.7   | 0.6   | 0.5   | 0.4   | 0.3   |
| 107.5° | 0.8   | 0.7   | 0.7   | 0.7   | 0.6   | 0.6   | 0.6   | 0.5   | 0.4   | 0.3   | 0.3   |
| 110°   | 0.7   | 0.6   | 0.6   | 0.5   | 0.5   | 0.4   | 0.4   | 0.3   | 0.3   | 0.3   | 0.2   |



TEST NUMBER: G2-2001-623-2

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.6  | 0.5  | 0.5  | 0.4  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  |
| 115°   | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: G2-2001-623-2

CATALOG NUMBER: 303-W1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 160°  | 165°  | 170°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|
| 0°     | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 |
| 2.5°   | 151.9 | 152.6 | 151.1 | 151.9 | 151.2 |
| 5°     | 150.3 | 151.1 | 149.6 | 150.4 | 149.7 |
| 7.5°   | 149.9 | 150.6 | 149.1 | 149.9 | 149.2 |
| 10°    | 149.1 | 149.9 | 148.4 | 149.0 | 148.5 |
| 12.5°  | 147.0 | 147.9 | 146.2 | 146.9 | 146.5 |
| 15°    | 144.0 | 144.7 | 143.1 | 143.6 | 143.4 |
| 17.5°  | 140.6 | 141.5 | 139.8 | 140.1 | 140.2 |
| 20°    | 137.3 | 138.0 | 136.2 | 136.5 | 136.6 |
| 22.5°  | 132.5 | 133.2 | 131.3 | 131.5 | 131.3 |
| 25°    | 127.0 | 127.5 | 125.8 | 125.8 | 125.7 |
| 27.5°  | 121.4 | 121.9 | 120.1 | 120.0 | 120.0 |
| 30°    | 116.0 | 116.3 | 114.9 | 114.6 | 114.6 |
| 32.5°  | 110.0 | 110.2 | 109.0 | 108.5 | 108.4 |
| 35°    | 103.5 | 103.6 | 102.4 | 101.8 | 101.8 |
| 37.5°  | 96.7  | 96.1  | 94.6  | 93.9  | 93.9  |
| 40°    | 88.7  | 87.9  | 86.2  | 85.2  | 85.0  |
| 42.5°  | 80.2  | 78.9  | 77.1  | 75.9  | 75.6  |
| 45°    | 70.2  | 62.2  | 57.4  | 55.4  | 54.7  |
| 47.5°  | 51.5  | 48.6  | 46.3  | 45.0  | 44.5  |
| 50°    | 42.3  | 40.0  | 38.1  | 37.0  | 36.5  |
| 52.5°  | 35.2  | 32.8  | 31.2  | 29.6  | 29.0  |
| 55°    | 28.3  | 25.5  | 23.7  | 22.0  | 21.1  |
| 57.5°  | 19.0  | 15.1  | 13.0  | 11.3  | 11.3  |
| 60°    | 11.9  | 8.8   | 6.5   | 5.0   | 4.9   |
| 62.5°  | 7.0   | 3.8   | 1.5   | 0.4   | 0.2   |
| 65°    | 4.7   | 2.5   | 1.2   | 0.4   | 0.1   |
| 67.5°  | 4.2   | 2.3   | 1.1   | 0.4   | 0.1   |
| 70°    | 3.7   | 2.0   | 1.0   | 0.3   | 0.1   |
| 72.5°  | 3.2   | 1.8   | 0.9   | 0.3   | 0.2   |
| 75°    | 2.7   | 1.5   | 0.8   | 0.3   | 0.1   |
| 77.5°  | 2.2   | 1.3   | 0.7   | 0.3   | 0.1   |
| 80°    | 1.7   | 1.0   | 0.6   | 0.2   | 0.1   |
| 82.5°  | 1.3   | 0.8   | 0.5   | 0.2   | 0.2   |
| 85°    | 0.9   | 0.6   | 0.4   | 0.2   | 0.2   |
| 87.5°  | 0.7   | 0.5   | 0.3   | 0.2   | 0.2   |
| 90°    | 0.6   | 0.4   | 0.3   | 0.2   | 0.1   |
| 92.5°  | 0.5   | 0.4   | 0.3   | 0.2   | 0.2   |
| 95°    | 0.5   | 0.3   | 0.2   | 0.2   | 0.2   |
| 97.5°  | 0.4   | 0.3   | 0.2   | 0.2   | 0.2   |
| 100°   | 0.3   | 0.2   | 0.2   | 0.2   | 0.2   |
| 102.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 105°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 107.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 110°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |



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**CANDELA DISTRIBUTION (continued):**

|        | 160° | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|------|
| 112.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 115°   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)