

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: P394922

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W1-LEDB1-TSAM-UNV-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

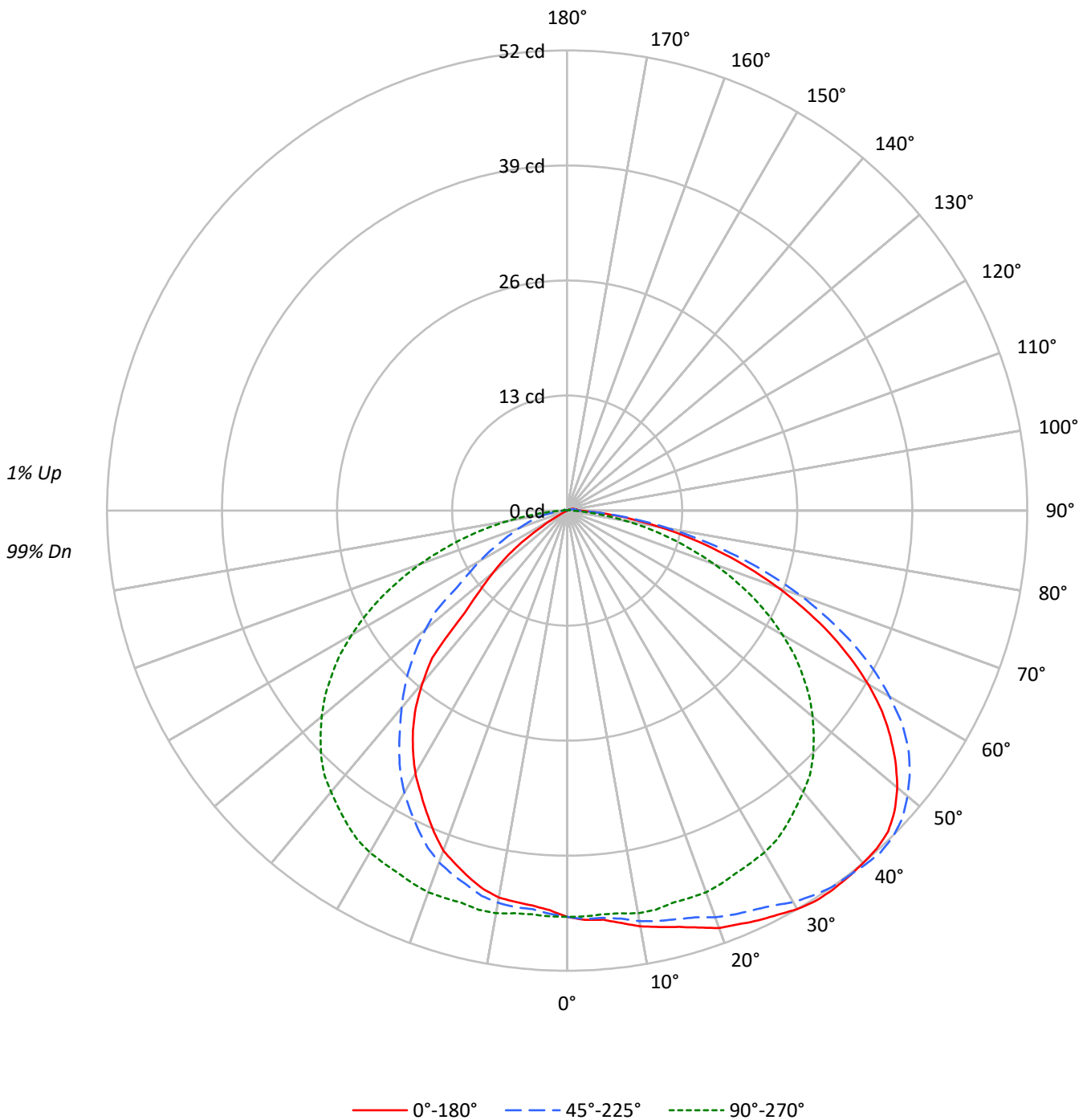
Lumens per Lamp: N/A  
Luminaire Lumens: 157.0 lumens  
Efficiency: N/A  
Efficacy: 24.2 lumens/watt  
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')  
CIE Type: Direct

Input Watts (W): 6.5  
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



TEST NUMBER: P394922  
CATALOG NUMBER: 303-W1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

### Luminous Intensity Polar Plot





TEST NUMBER: P394922

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

**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 | 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°  | 6324  | 6324 | 6324 |
| 5°  | 6390  | 6320 | 6170 |
| 10° | 6617  | 6433 | 6160 |
| 15° | 6858  | 6501 | 6041 |
| 20° | 7234  | 6665 | 5894 |
| 25° | 7598  | 6787 | 5591 |
| 30° | 8050  | 6988 | 5310 |
| 35° | 8511  | 7149 | 4947 |
| 40° | 8990  | 7301 | 4391 |
| 45° | 9538  | 7459 | 3049 |
| 50° | 9874  | 7520 | 2210 |
| 55° | 10026 | 7520 | 1416 |
| 60° | 9998  | 7401 | 382  |
| 65° | 9666  | 7123 | 0    |
| 70° | 9004  | 6643 | 0    |
| 75° | 7991  | 5858 | 0    |
| 80° | 6548  | 4618 | 0    |
| 85° | 4594  | 2787 | 102  |



TEST NUMBER: P394922

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

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.4    | 2.8       |
| 10°-20°   | 13.0   | 8.3       |
| 20°-30°   | 20.7   | 13.2      |
| 30°-40°   | 26.6   | 16.9      |
| 40°-50°   | 29.0   | 18.5      |
| 50°-60°   | 26.8   | 17.1      |
| 60°-70°   | 20.5   | 13.0      |
| 70°-80°   | 11.8   | 7.5       |
| 80°-90°   | 3.2    | 2.1       |
| 90°-100°  | 0.6    | 0.4       |
| 100°-110° | 0.4    | 0.2       |
| 110°-120° | 0.1    | 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°    | 38.0   | 24.2      |
| 0°-40°    | 64.6   | 41.1      |
| 0°-60°    | 120.4  | 76.7      |
| 0°-90°    | 155.9  | 99.3      |
| 90°-120°  | 1.1    | 0.7       |
| 90°-150°  | 1.1    | 0.7       |
| 90°-180°  | 1.0    | 0.6       |
| 0°-180°   | 157.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0° | 45° | 90° | 135° | 180° | Flux |
|------|----|-----|-----|------|------|------|
| 0°   | 46 | 46  | 46  | 46   | 46   |      |
| 5°   | 46 | 46  | 46  | 45   | 45   | 4    |
| 15°  | 49 | 48  | 46  | 44   | 43   | 14   |
| 25°  | 51 | 50  | 45  | 40   | 38   | 24   |
| 35°  | 52 | 52  | 43  | 33   | 30   | 33   |
| 45°  | 51 | 52  | 39  | 25   | 16   | 39   |
| 55°  | 45 | 47  | 32  | 15   | 6    | 40   |
| 65°  | 33 | 36  | 23  | 8    | 0    | 32   |
| 75°  | 18 | 20  | 12  | 4    | 0    | 19   |
| 85°  | 4  | 5   | 2   | 1    | 0    | 5    |
| 90°  | 1  | 1   | 0   | 0    | 0    | 1    |
| 95°  | 1  | 1   | 0   | 0    | 0    | 1    |
| 105° | 1  | 1   | 0   | 0    | 0    | 1    |
| 115° | 0  | 0   | 0   | 0    | 0    | 0    |
| 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: P394922

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

**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 37°  | 40°  | 45°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| 2.5°   | 46.3 | 45.8 | 45.6 | 45.9 | 45.6 | 46.2 | 46.0 | 45.9 | 45.9 | 46.2 | 46.2 |
| 5°     | 46.4 | 45.9 | 45.6 | 45.9 | 45.7 | 46.2 | 46.0 | 45.9 | 45.8 | 46.2 | 46.2 |
| 7.5°   | 47.0 | 46.4 | 46.1 | 46.4 | 46.2 | 46.6 | 46.4 | 46.3 | 46.3 | 46.6 | 46.5 |
| 10°    | 47.7 | 47.0 | 46.8 | 47.1 | 46.9 | 47.3 | 47.1 | 46.9 | 46.9 | 47.2 | 47.1 |
| 12.5°  | 48.2 | 47.6 | 47.3 | 47.7 | 47.4 | 47.8 | 47.6 | 47.4 | 47.3 | 47.6 | 47.5 |
| 15°    | 48.7 | 48.1 | 47.8 | 48.1 | 47.9 | 48.2 | 48.0 | 47.8 | 47.7 | 47.9 | 47.8 |
| 17.5°  | 49.4 | 48.7 | 48.5 | 48.8 | 48.5 | 48.7 | 48.5 | 48.3 | 48.3 | 48.5 | 48.2 |
| 20°    | 50.2 | 49.5 | 49.3 | 49.6 | 49.3 | 49.5 | 49.3 | 49.1 | 49.0 | 49.1 | 48.9 |
| 22.5°  | 50.6 | 50.0 | 49.9 | 50.2 | 49.9 | 50.1 | 49.9 | 49.7 | 49.6 | 49.7 | 49.4 |
| 25°    | 51.1 | 50.4 | 50.3 | 50.7 | 50.4 | 50.5 | 50.4 | 50.2 | 50.1 | 50.1 | 49.8 |
| 27.5°  | 51.5 | 50.8 | 50.8 | 51.2 | 50.9 | 51.1 | 51.0 | 50.8 | 50.7 | 50.6 | 50.3 |
| 30°    | 52.0 | 51.4 | 51.4 | 51.9 | 51.7 | 51.8 | 51.7 | 51.6 | 51.5 | 51.4 | 51.1 |
| 32.5°  | 52.3 | 51.8 | 51.8 | 52.3 | 52.2 | 52.4 | 52.3 | 52.2 | 52.1 | 52.0 | 51.6 |
| 35°    | 52.3 | 51.8 | 51.9 | 52.4 | 52.3 | 52.6 | 52.6 | 52.5 | 52.5 | 52.3 | 52.0 |
| 37.5°  | 52.2 | 51.8 | 51.9 | 52.5 | 52.4 | 52.6 | 52.8 | 52.7 | 52.8 | 52.6 | 52.1 |
| 40°    | 52.0 | 51.7 | 51.8 | 52.4 | 52.4 | 52.7 | 52.9 | 52.9 | 53.0 | 52.7 | 52.3 |
| 42.5°  | 51.8 | 51.5 | 51.7 | 52.3 | 52.3 | 52.6 | 53.0 | 53.0 | 53.1 | 52.9 | 52.4 |
| 45°    | 51.3 | 51.0 | 51.4 | 51.9 | 51.9 | 52.1 | 52.6 | 52.7 | 52.8 | 52.6 | 52.1 |
| 47.5°  | 50.2 | 50.0 | 50.3 | 50.9 | 51.1 | 51.3 | 51.9 | 52.0 | 52.1 | 51.9 | 51.4 |
| 50°    | 48.7 | 48.4 | 48.8 | 49.4 | 49.7 | 50.1 | 50.8 | 50.9 | 51.1 | 50.8 | 50.2 |
| 52.5°  | 46.8 | 46.6 | 47.0 | 47.6 | 48.0 | 48.5 | 49.2 | 49.5 | 49.7 | 49.5 | 48.8 |
| 55°    | 44.6 | 44.5 | 44.9 | 45.5 | 45.9 | 46.4 | 47.3 | 47.6 | 47.8 | 47.6 | 47.1 |
| 57.5°  | 42.2 | 42.1 | 42.5 | 43.0 | 43.5 | 43.9 | 44.9 | 45.2 | 45.4 | 45.3 | 44.9 |
| 60°    | 39.3 | 39.2 | 39.6 | 40.3 | 40.7 | 41.1 | 42.1 | 42.4 | 42.7 | 42.6 | 42.1 |
| 62.5°  | 36.1 | 36.1 | 36.5 | 37.0 | 37.5 | 37.9 | 38.9 | 39.2 | 39.5 | 39.3 | 39.1 |
| 65°    | 32.7 | 32.6 | 33.1 | 33.6 | 34.1 | 34.4 | 35.4 | 35.9 | 36.0 | 36.0 | 35.7 |
| 67.5°  | 29.0 | 29.0 | 29.4 | 29.9 | 30.4 | 30.6 | 31.5 | 32.1 | 32.2 | 32.2 | 31.9 |
| 70°    | 25.3 | 25.3 | 25.7 | 26.2 | 26.4 | 26.7 | 27.5 | 28.1 | 28.1 | 28.1 | 28.1 |
| 72.5°  | 21.5 | 21.5 | 21.8 | 22.2 | 22.6 | 22.8 | 23.5 | 23.9 | 24.0 | 24.0 | 24.0 |
| 75°    | 17.7 | 17.9 | 17.9 | 18.5 | 18.6 | 18.8 | 19.4 | 19.7 | 19.7 | 19.8 | 19.8 |
| 77.5°  | 14.0 | 14.0 | 14.2 | 14.7 | 14.8 | 14.9 | 15.3 | 15.6 | 15.6 | 15.6 | 15.7 |
| 80°    | 10.5 | 10.7 | 10.6 | 10.9 | 11.0 | 11.1 | 11.5 | 11.6 | 11.6 | 11.7 | 11.7 |
| 82.5°  | 7.3  | 7.4  | 7.4  | 7.6  | 7.6  | 7.7  | 7.9  | 8.0  | 7.9  | 8.0  | 8.0  |
| 85°    | 4.5  | 4.6  | 4.6  | 4.7  | 4.7  | 4.7  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  |
| 87.5°  | 2.5  | 2.5  | 2.5  | 2.6  | 2.6  | 2.5  | 2.5  | 2.5  | 2.4  | 2.4  | 2.3  |
| 90°    | 1.3  | 1.4  | 1.4  | 1.4  | 1.4  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.2  |
| 92.5°  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.2  | 1.1  | 1.1  | 1.1  |
| 95°    | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.0  | 1.0  | 1.0  | 1.0  |
| 97.5°  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.9  | 0.9  |
| 100°   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.8  | 0.8  |
| 102.5° | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.7  | 0.7  | 0.7  |
| 105°   | 0.7  | 0.7  | 0.7  | 0.7  | 0.7  | 0.7  | 0.7  | 0.7  | 0.6  | 0.6  | 0.6  |
| 107.5° | 0.7  | 0.7  | 0.7  | 0.7  | 0.6  | 0.6  | 0.6  | 0.5  | 0.5  | 0.5  | 0.4  |
| 110°   | 0.5  | 0.6  | 0.6  | 0.5  | 0.5  | 0.5  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  |



TEST NUMBER: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 37° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 115°   | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 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: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 50°  | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| 2.5°   | 45.9 | 46.1 | 46.1 | 46.0 | 45.9 | 46.0 | 45.9 | 46.1 | 45.9 | 45.7 | 45.9 |
| 5°     | 45.9 | 46.0 | 46.0 | 45.9 | 45.8 | 45.9 | 45.8 | 45.9 | 45.8 | 45.5 | 45.6 |
| 7.5°   | 46.2 | 46.5 | 46.3 | 46.3 | 46.1 | 46.2 | 46.1 | 46.1 | 45.9 | 45.7 | 45.8 |
| 10°    | 46.8 | 47.0 | 46.8 | 46.7 | 46.4 | 46.5 | 46.4 | 46.4 | 46.2 | 45.9 | 45.9 |
| 12.5°  | 47.1 | 47.4 | 47.0 | 47.0 | 46.6 | 46.7 | 46.4 | 46.4 | 46.2 | 45.8 | 45.8 |
| 15°    | 47.4 | 47.6 | 47.3 | 47.1 | 46.7 | 46.7 | 46.4 | 46.2 | 45.9 | 45.6 | 45.5 |
| 17.5°  | 47.9 | 48.1 | 47.6 | 47.4 | 46.8 | 46.8 | 46.4 | 46.2 | 45.9 | 45.4 | 45.2 |
| 20°    | 48.5 | 48.7 | 48.1 | 47.9 | 47.2 | 47.1 | 46.6 | 46.2 | 45.9 | 45.3 | 45.0 |
| 22.5°  | 48.9 | 49.1 | 48.5 | 48.2 | 47.3 | 47.2 | 46.7 | 46.1 | 45.6 | 45.0 | 44.5 |
| 25°    | 49.3 | 49.5 | 48.7 | 48.4 | 47.4 | 47.2 | 46.5 | 45.9 | 45.2 | 44.5 | 43.9 |
| 27.5°  | 49.8 | 50.0 | 49.1 | 48.7 | 47.6 | 47.3 | 46.5 | 45.6 | 44.9 | 44.0 | 43.3 |
| 30°    | 50.5 | 50.7 | 49.7 | 49.2 | 47.9 | 47.5 | 46.5 | 45.5 | 44.6 | 43.5 | 42.6 |
| 32.5°  | 51.1 | 51.1 | 50.0 | 49.5 | 48.0 | 47.5 | 46.4 | 45.1 | 44.1 | 42.9 | 41.8 |
| 35°    | 51.4 | 51.3 | 50.1 | 49.5 | 47.9 | 47.3 | 46.0 | 44.5 | 43.3 | 42.0 | 40.6 |
| 37.5°  | 51.5 | 51.4 | 50.2 | 49.4 | 47.6 | 46.9 | 45.4 | 43.8 | 42.4 | 40.9 | 39.3 |
| 40°    | 51.7 | 51.5 | 50.1 | 49.3 | 47.3 | 46.5 | 44.8 | 43.0 | 41.5 | 39.9 | 38.1 |
| 42.5°  | 51.8 | 51.5 | 50.0 | 49.1 | 46.9 | 46.0 | 44.2 | 42.2 | 40.6 | 38.8 | 36.8 |
| 45°    | 51.5 | 51.1 | 49.5 | 48.4 | 46.2 | 45.1 | 43.2 | 41.1 | 39.3 | 37.4 | 35.4 |
| 47.5°  | 50.7 | 50.1 | 48.5 | 47.4 | 45.1 | 43.9 | 41.9 | 39.6 | 37.8 | 35.9 | 33.7 |
| 50°    | 49.6 | 48.9 | 47.3 | 46.1 | 43.7 | 42.4 | 40.4 | 38.1 | 36.2 | 34.2 | 32.0 |
| 52.5°  | 48.2 | 47.5 | 45.8 | 44.5 | 42.1 | 40.7 | 38.7 | 36.3 | 34.5 | 32.5 | 30.2 |
| 55°    | 46.4 | 45.6 | 43.9 | 42.6 | 40.2 | 38.8 | 36.8 | 34.4 | 32.5 | 30.5 | 28.3 |
| 57.5°  | 44.4 | 43.4 | 41.7 | 40.3 | 37.9 | 36.5 | 34.5 | 32.2 | 30.5 | 28.5 | 26.3 |
| 60°    | 41.7 | 40.7 | 39.0 | 37.6 | 35.3 | 33.9 | 32.0 | 29.9 | 28.1 | 26.2 | 24.1 |
| 62.5°  | 38.7 | 37.7 | 36.1 | 34.5 | 32.5 | 31.1 | 29.3 | 27.3 | 25.7 | 23.9 | 21.9 |
| 65°    | 35.3 | 34.4 | 33.0 | 31.4 | 29.4 | 28.1 | 26.5 | 24.6 | 23.1 | 21.4 | 19.6 |
| 67.5°  | 31.6 | 30.8 | 29.5 | 28.0 | 26.2 | 25.1 | 23.5 | 21.8 | 20.4 | 18.9 | 17.3 |
| 70°    | 27.8 | 26.9 | 25.8 | 24.4 | 22.9 | 21.7 | 20.4 | 18.9 | 17.7 | 16.4 | 14.9 |
| 72.5°  | 23.7 | 22.9 | 22.0 | 20.8 | 19.3 | 18.5 | 17.2 | 15.9 | 14.8 | 13.7 | 12.5 |
| 75°    | 19.5 | 18.9 | 18.1 | 17.0 | 15.8 | 15.1 | 14.1 | 13.0 | 12.1 | 11.2 | 10.1 |
| 77.5°  | 15.4 | 14.9 | 14.2 | 13.6 | 12.4 | 11.8 | 11.0 | 10.1 | 9.4  | 8.6  | 7.9  |
| 80°    | 11.4 | 11.0 | 10.5 | 9.9  | 9.1  | 8.6  | 8.0  | 7.3  | 6.7  | 6.3  | 5.8  |
| 82.5°  | 7.7  | 7.4  | 7.1  | 6.6  | 6.1  | 5.7  | 5.3  | 4.8  | 4.4  | 4.1  | 3.8  |
| 85°    | 4.6  | 4.4  | 4.1  | 3.8  | 3.5  | 3.3  | 3.0  | 2.6  | 2.3  | 2.2  | 2.1  |
| 87.5°  | 2.3  | 2.1  | 1.9  | 1.9  | 1.6  | 1.4  | 1.3  | 1.1  | 1.0  | 0.9  | 0.9  |
| 90°    | 1.1  | 1.0  | 1.0  | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  |
| 92.5°  | 1.0  | 1.0  | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  | 0.4  |
| 95°    | 0.9  | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  |
| 97.5°  | 0.9  | 0.8  | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  |
| 100°   | 0.7  | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.3  |
| 102.5° | 0.7  | 0.6  | 0.5  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  |
| 105°   | 0.5  | 0.5  | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  |
| 107.5° | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  |
| 110°   | 0.3  | 0.2  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |





TEST NUMBER: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 112.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  |
| 115°   | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1  |
| 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: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| 2.5°   | 45.7 | 46.2 | 45.8 | 45.6 | 45.8 | 45.7 | 45.6 | 46.0 | 45.5 | 45.3 | 45.2 |
| 5°     | 45.4 | 45.9 | 45.6 | 45.3 | 45.5 | 45.3 | 45.2 | 45.6 | 45.1 | 44.9 | 44.8 |
| 7.5°   | 45.6 | 46.0 | 45.6 | 45.3 | 45.6 | 45.2 | 45.2 | 45.5 | 45.0 | 44.8 | 44.7 |
| 10°    | 45.7 | 46.1 | 45.6 | 45.3 | 45.6 | 45.1 | 45.0 | 45.3 | 44.9 | 44.6 | 44.4 |
| 12.5°  | 45.5 | 45.8 | 45.3 | 45.0 | 45.2 | 44.7 | 44.6 | 44.7 | 44.3 | 44.0 | 43.8 |
| 15°    | 45.1 | 45.3 | 44.8 | 44.4 | 44.6 | 44.0 | 43.8 | 43.9 | 43.5 | 43.1 | 43.0 |
| 17.5°  | 44.8 | 44.9 | 44.3 | 43.8 | 44.0 | 43.3 | 43.1 | 43.2 | 42.7 | 42.2 | 42.1 |
| 20°    | 44.5 | 44.5 | 43.9 | 43.3 | 43.4 | 42.6 | 42.3 | 42.3 | 41.8 | 41.3 | 41.1 |
| 22.5°  | 43.9 | 43.8 | 43.1 | 42.4 | 42.5 | 41.6 | 41.2 | 41.1 | 40.6 | 40.0 | 39.8 |
| 25°    | 43.2 | 42.9 | 42.1 | 41.3 | 41.2 | 40.3 | 39.8 | 39.6 | 39.1 | 38.5 | 38.2 |
| 27.5°  | 42.3 | 41.8 | 40.9 | 40.1 | 39.9 | 38.8 | 38.3 | 38.0 | 37.5 | 36.8 | 36.6 |
| 30°    | 41.5 | 40.9 | 39.8 | 38.9 | 38.5 | 37.4 | 36.8 | 36.5 | 36.0 | 35.2 | 34.9 |
| 32.5°  | 40.5 | 39.6 | 38.4 | 37.3 | 36.9 | 35.7 | 35.1 | 34.6 | 34.1 | 33.4 | 33.2 |
| 35°    | 39.2 | 38.1 | 36.8 | 35.6 | 35.0 | 33.7 | 33.1 | 32.6 | 32.2 | 31.4 | 31.2 |
| 37.5°  | 37.8 | 36.5 | 35.0 | 33.7 | 33.0 | 31.7 | 31.0 | 30.5 | 30.1 | 29.5 | 29.2 |
| 40°    | 36.4 | 34.9 | 33.3 | 31.9 | 31.0 | 29.8 | 29.1 | 28.6 | 28.2 | 27.4 | 27.0 |
| 42.5°  | 35.0 | 33.4 | 31.5 | 30.0 | 29.2 | 27.9 | 27.2 | 26.7 | 26.1 | 25.2 | 24.7 |
| 45°    | 33.4 | 31.6 | 29.7 | 28.1 | 27.2 | 25.9 | 25.2 | 24.5 | 23.8 | 22.8 | 22.0 |
| 47.5°  | 31.6 | 29.7 | 27.8 | 26.2 | 25.2 | 24.0 | 23.1 | 22.1 | 21.3 | 20.0 | 17.3 |
| 50°    | 29.9 | 27.8 | 25.8 | 24.4 | 23.3 | 21.9 | 20.9 | 19.7 | 17.4 | 15.5 | 14.3 |
| 52.5°  | 28.0 | 26.0 | 24.0 | 22.6 | 21.4 | 19.9 | 18.7 | 15.8 | 14.3 | 13.1 | 12.1 |
| 55°    | 26.1 | 24.1 | 22.2 | 20.8 | 19.4 | 17.8 | 15.3 | 13.3 | 12.1 | 11.1 | 10.0 |
| 57.5°  | 24.2 | 22.2 | 20.3 | 18.9 | 17.4 | 14.8 | 13.1 | 11.4 | 10.3 | 9.1  | 7.9  |
| 60°    | 22.2 | 20.3 | 18.5 | 17.0 | 15.0 | 12.6 | 11.4 | 9.7  | 8.6  | 6.8  | 5.4  |
| 62.5°  | 20.1 | 18.3 | 16.6 | 15.1 | 12.8 | 10.9 | 9.7  | 8.0  | 6.3  | 5.0  | 3.7  |
| 65°    | 18.0 | 16.4 | 14.7 | 12.7 | 11.1 | 9.5  | 8.1  | 6.4  | 4.9  | 3.7  | 2.6  |
| 67.5°  | 15.8 | 14.4 | 13.0 | 11.0 | 9.6  | 8.1  | 6.8  | 5.2  | 4.0  | 3.1  | 2.3  |
| 70°    | 13.8 | 12.4 | 11.1 | 9.5  | 8.2  | 6.9  | 5.7  | 4.5  | 3.5  | 2.7  | 2.0  |
| 72.5°  | 11.5 | 10.4 | 9.3  | 8.0  | 6.9  | 5.8  | 4.8  | 3.8  | 2.9  | 2.3  | 1.7  |
| 75°    | 9.4  | 8.5  | 7.6  | 6.5  | 5.7  | 4.7  | 3.9  | 3.1  | 2.4  | 1.9  | 1.4  |
| 77.5°  | 7.3  | 6.6  | 5.9  | 5.1  | 4.3  | 3.7  | 3.1  | 2.4  | 1.9  | 1.5  | 1.1  |
| 80°    | 5.3  | 4.8  | 4.3  | 3.6  | 3.2  | 2.7  | 2.3  | 1.8  | 1.4  | 1.1  | 0.8  |
| 82.5°  | 3.5  | 3.1  | 2.8  | 2.4  | 2.1  | 1.8  | 1.6  | 1.3  | 1.0  | 0.8  | 0.6  |
| 85°    | 2.0  | 1.8  | 1.6  | 1.4  | 1.3  | 1.1  | 0.9  | 0.8  | 0.6  | 0.5  | 0.4  |
| 87.5°  | 0.9  | 0.8  | 0.8  | 0.7  | 0.6  | 0.6  | 0.5  | 0.4  | 0.4  | 0.3  | 0.3  |
| 90°    | 0.5  | 0.5  | 0.5  | 0.5  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.2  |
| 92.5°  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.2  | 0.2  |
| 95°    | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.2  | 0.2  |
| 97.5°  | 0.4  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.1  |
| 100°   | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.1  |
| 102.5° | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  |
| 105°   | 0.3  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  |
| 107.5° | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 110°   | 0.2  | 0.2  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |



TEST NUMBER: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 115°   | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 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: P394922

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

**CANDELA DISTRIBUTION (continued):**

|        | 160° | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|------|
| 0°     | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| 2.5°   | 45.4 | 45.6 | 45.2 | 45.4 | 45.2 |
| 5°     | 45.0 | 45.2 | 44.7 | 45.0 | 44.8 |
| 7.5°   | 44.8 | 45.0 | 44.6 | 44.8 | 44.6 |
| 10°    | 44.6 | 44.8 | 44.4 | 44.6 | 44.4 |
| 12.5°  | 44.0 | 44.2 | 43.7 | 43.9 | 43.8 |
| 15°    | 43.1 | 43.3 | 42.8 | 43.0 | 42.9 |
| 17.5°  | 42.1 | 42.3 | 41.8 | 41.9 | 41.9 |
| 20°    | 41.1 | 41.3 | 40.7 | 40.8 | 40.9 |
| 22.5°  | 39.6 | 39.8 | 39.3 | 39.3 | 39.3 |
| 25°    | 38.0 | 38.1 | 37.6 | 37.6 | 37.6 |
| 27.5°  | 36.3 | 36.5 | 35.9 | 35.9 | 35.9 |
| 30°    | 34.7 | 34.8 | 34.4 | 34.3 | 34.3 |
| 32.5°  | 32.9 | 33.0 | 32.6 | 32.5 | 32.4 |
| 35°    | 31.0 | 31.0 | 30.6 | 30.4 | 30.4 |
| 37.5°  | 28.9 | 28.7 | 28.3 | 28.1 | 28.1 |
| 40°    | 26.5 | 26.3 | 25.8 | 25.5 | 25.4 |
| 42.5°  | 24.0 | 23.6 | 23.1 | 22.7 | 22.6 |
| 45°    | 21.0 | 18.6 | 17.2 | 16.6 | 16.4 |
| 47.5°  | 15.4 | 14.5 | 13.8 | 13.5 | 13.3 |
| 50°    | 12.7 | 12.0 | 11.4 | 11.1 | 10.9 |
| 52.5°  | 10.5 | 9.8  | 9.3  | 8.9  | 8.7  |
| 55°    | 8.5  | 7.6  | 7.1  | 6.6  | 6.3  |
| 57.5°  | 5.7  | 4.5  | 3.9  | 3.4  | 3.4  |
| 60°    | 3.6  | 2.6  | 1.9  | 1.5  | 1.5  |
| 62.5°  | 2.1  | 1.1  | 0.4  | 0.1  | 0.1  |
| 65°    | 1.4  | 0.7  | 0.4  | 0.1  | 0.0  |
| 67.5°  | 1.3  | 0.7  | 0.3  | 0.1  | 0.0  |
| 70°    | 1.1  | 0.6  | 0.3  | 0.1  | 0.0  |
| 72.5°  | 1.0  | 0.5  | 0.3  | 0.1  | 0.1  |
| 75°    | 0.8  | 0.4  | 0.2  | 0.1  | 0.0  |
| 77.5°  | 0.7  | 0.4  | 0.2  | 0.1  | 0.0  |
| 80°    | 0.5  | 0.3  | 0.2  | 0.1  | 0.0  |
| 82.5°  | 0.4  | 0.2  | 0.1  | 0.1  | 0.1  |
| 85°    | 0.3  | 0.2  | 0.1  | 0.1  | 0.1  |
| 87.5°  | 0.2  | 0.1  | 0.1  | 0.1  | 0.1  |
| 90°    | 0.2  | 0.1  | 0.1  | 0.1  | 0.0  |
| 92.5°  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 95°    | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 97.5°  | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 100°   | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 102.5° | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 105°   | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 107.5° | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 110°   | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |



TEST NUMBER: P394922  
 CATALOG NUMBER: 303-W1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

|        | 160° | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|------|
| 112.5° | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 115°   | 0.1  | 0.1  | 0.1  | 0.1  | 0.1  |
| 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)