

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: P394818

Luminaire Tested: **303-W1-LEDB1-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W1-LEDB1-3000-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, ONE LIGHTBAR, TYPE 2  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

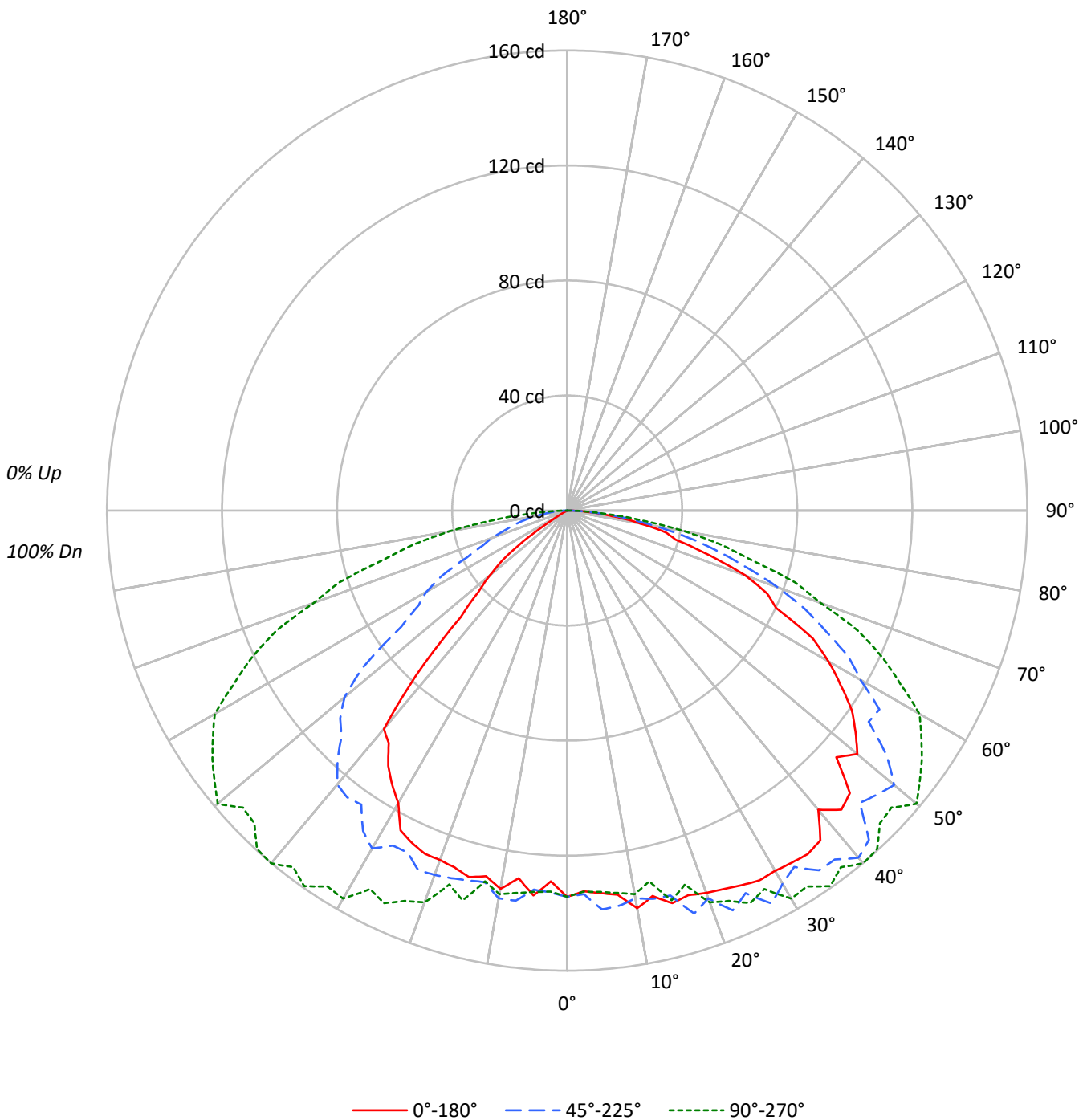
Lumens per Lamp: N/A  
Luminaire Lumens: 532.6 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P394818  
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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 | 102 | 102 | 102 | 100 |
| 1   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  | 92  | 90  | 87  | 89  | 87  | 84  | 82  |
| 2   | 98  | 89  | 82  | 75  | 95  | 87  | 80  | 74  | 83  | 78  | 73  | 80  | 75  | 71  | 77  | 73  | 69  | 67  |
| 3   | 88  | 77  | 68  | 62  | 86  | 76  | 67  | 61  | 72  | 66  | 60  | 70  | 64  | 59  | 67  | 62  | 58  | 55  |
| 4   | 80  | 68  | 58  | 51  | 78  | 66  | 58  | 51  | 64  | 56  | 50  | 61  | 55  | 50  | 59  | 53  | 49  | 47  |
| 5   | 74  | 60  | 51  | 44  | 71  | 59  | 50  | 43  | 57  | 49  | 43  | 55  | 48  | 42  | 53  | 47  | 42  | 40  |
| 6   | 68  | 54  | 44  | 37  | 66  | 53  | 44  | 37  | 51  | 43  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 34  |
| 7   | 62  | 48  | 39  | 33  | 61  | 47  | 39  | 33  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 37  | 32  | 30  |
| 8   | 58  | 44  | 35  | 29  | 56  | 43  | 35  | 29  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 26  |
| 9   | 54  | 40  | 31  | 26  | 52  | 39  | 31  | 26  | 38  | 31  | 25  | 37  | 30  | 25  | 36  | 30  | 25  | 23  |
| 10  | 50  | 37  | 28  | 23  | 49  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 33  | 27  | 23  | 21  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 18504 | 18504 | 18504 |
| 5°  | 18464 | 18408 | 18574 |
| 10° | 19642 | 18943 | 18677 |
| 15° | 20155 | 20012 | 18814 |
| 20° | 20747 | 21260 | 18958 |
| 25° | 21845 | 22894 | 19398 |
| 30° | 23005 | 24787 | 18677 |
| 35° | 24523 | 26810 | 18232 |
| 40° | 24425 | 28795 | 17824 |
| 45° | 27084 | 29968 | 10210 |
| 50° | 28229 | 33995 | 7545  |
| 55° | 29017 | 36176 | 4492  |
| 60° | 28933 | 38991 | 689   |
| 65° | 26146 | 39447 | 0     |
| 70° | 26547 | 37706 | 0     |
| 75° | 20761 | 35187 | 0     |
| 80° | 20629 | 32848 | 0     |
| 85° | 15176 | 22290 | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.9   | 2.4       |
| 10°-20°   | 39.1   | 7.3       |
| 20°-30°   | 65.5   | 12.3      |
| 30°-40°   | 89.3   | 16.8      |
| 40°-50°   | 100.3  | 18.8      |
| 50°-60°   | 95.8   | 18.0      |
| 60°-70°   | 75.2   | 14.1      |
| 70°-80°   | 43.7   | 8.2       |
| 80°-90°   | 10.9   | 2.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 117.5  | 22.1      |
| 0°-40°    | 206.8  | 38.8      |
| 0°-60°    | 402.9  | 75.6      |
| 0°-90°    | 532.6  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 532.6  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 134 | 134 | 134 | 134  | 134  |      |
| 5°  | 134 | 139 | 133 | 132  | 134  | 13   |
| 15° | 141 | 138 | 140 | 133  | 132  | 40   |
| 25° | 144 | 147 | 151 | 131  | 128  | 66   |
| 35° | 146 | 153 | 159 | 125  | 108  | 90   |
| 45° | 139 | 144 | 154 | 111  | 52   | 105  |
| 55° | 121 | 128 | 151 | 70   | 19   | 107  |
| 65° | 80  | 99  | 121 | 38   | 0    | 83   |
| 75° | 39  | 54  | 66  | 19   | 0    | 45   |
| 85° | 10  | 11  | 14  | 4    | 0    | 12   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P394818

CATALOG NUMBER: 303-W1-LEDB1-3000-UNV-T2-DIM10

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 |
| 2.5°  | 132.5 | 139.9 | 138.1 | 135.0 | 132.3 | 133.5 | 134.6 | 138.3 | 133.0 | 134.5 | 132.6 |
| 5°    | 133.5 | 132.9 | 136.3 | 131.0 | 133.4 | 139.2 | 126.5 | 132.4 | 133.7 | 134.9 | 133.1 |
| 7.5°  | 134.7 | 136.2 | 137.1 | 140.9 | 132.9 | 138.6 | 137.2 | 138.0 | 142.6 | 136.0 | 134.1 |
| 10°   | 140.4 | 144.1 | 139.2 | 129.2 | 134.2 | 136.9 | 139.2 | 138.1 | 139.1 | 137.4 | 135.4 |
| 12.5° | 137.3 | 138.7 | 140.6 | 142.2 | 138.1 | 138.3 | 136.8 | 138.6 | 150.6 | 138.8 | 132.0 |
| 15°   | 141.3 | 151.6 | 142.1 | 140.0 | 139.9 | 138.5 | 143.0 | 141.5 | 141.8 | 140.9 | 140.3 |
| 17.5° | 140.2 | 143.9 | 143.8 | 141.5 | 137.7 | 146.9 | 145.3 | 143.3 | 154.1 | 143.3 | 136.3 |
| 20°   | 141.5 | 145.5 | 145.2 | 143.0 | 143.8 | 143.5 | 138.6 | 145.5 | 146.4 | 141.3 | 145.0 |
| 22.5° | 142.4 | 150.4 | 145.0 | 134.3 | 145.2 | 150.5 | 149.4 | 149.4 | 148.6 | 148.3 | 146.9 |
| 25°   | 143.7 | 147.1 | 145.5 | 140.2 | 137.2 | 146.8 | 147.7 | 154.2 | 151.6 | 151.3 | 150.6 |
| 27.5° | 144.9 | 147.3 | 147.5 | 145.5 | 148.8 | 154.0 | 154.2 | 151.8 | 154.4 | 153.8 | 148.4 |
| 30°   | 144.6 | 147.7 | 148.3 | 147.1 | 139.4 | 149.8 | 153.1 | 154.7 | 155.3 | 155.8 | 155.8 |
| 32.5° | 145.2 | 153.4 | 150.2 | 143.1 | 146.1 | 146.9 | 155.2 | 159.8 | 160.9 | 158.0 | 155.0 |
| 35°   | 145.8 | 147.8 | 149.1 | 143.5 | 152.7 | 152.7 | 157.1 | 157.4 | 161.4 | 159.1 | 159.4 |
| 37.5° | 144.6 | 146.9 | 144.7 | 148.4 | 147.1 | 152.9 | 160.3 | 157.4 | 159.6 | 162.1 | 156.3 |
| 40°   | 135.8 | 148.4 | 143.0 | 143.3 | 146.6 | 157.6 | 160.0 | 162.7 | 162.2 | 158.5 | 160.1 |
| 42.5° | 141.1 | 145.5 | 144.4 | 144.7 | 144.9 | 155.3 | 157.1 | 161.7 | 158.7 | 162.5 | 159.6 |
| 45°   | 139.0 | 143.0 | 142.1 | 142.6 | 148.2 | 143.8 | 157.5 | 155.2 | 158.6 | 158.7 | 153.8 |
| 47.5° | 126.9 | 143.3 | 139.3 | 140.5 | 145.5 | 146.2 | 155.6 | 154.4 | 162.1 | 158.9 | 152.9 |
| 50°   | 131.7 | 138.7 | 130.3 | 136.7 | 142.8 | 148.4 | 152.9 | 156.5 | 156.3 | 152.9 | 158.6 |
| 52.5° | 126.4 | 126.4 | 129.7 | 127.0 | 135.0 | 140.1 | 149.1 | 148.0 | 154.7 | 159.4 | 154.5 |
| 55°   | 120.8 | 119.4 | 123.4 | 111.8 | 129.1 | 128.0 | 144.2 | 155.0 | 156.0 | 142.6 | 150.6 |
| 57.5° | 112.7 | 115.7 | 118.0 | 118.2 | 119.9 | 128.7 | 137.5 | 144.2 | 146.9 | 145.8 | 146.0 |
| 60°   | 105.0 | 103.7 | 109.6 | 106.4 | 114.5 | 117.9 | 134.5 | 133.4 | 140.4 | 140.2 | 141.5 |
| 62.5° | 96.3  | 94.7  | 97.8  | 101.4 | 106.9 | 110.3 | 124.7 | 125.1 | 132.3 | 135.9 | 130.7 |
| 65°   | 80.2  | 85.6  | 88.5  | 90.8  | 96.8  | 99.3  | 110.9 | 112.7 | 119.1 | 121.3 | 121.0 |
| 67.5° | 75.2  | 74.5  | 77.9  | 78.6  | 84.6  | 89.5  | 104.7 | 102.7 | 108.1 | 114.1 | 109.7 |
| 70°   | 65.9  | 64.5  | 67.2  | 68.4  | 74.2  | 77.8  | 85.6  | 89.6  | 94.8  | 97.8  | 93.6  |
| 72.5° | 52.1  | 53.6  | 58.3  | 58.9  | 61.9  | 65.1  | 77.2  | 76.2  | 84.7  | 86.4  | 83.0  |
| 75°   | 39.0  | 43.7  | 46.5  | 46.8  | 50.4  | 53.9  | 62.7  | 64.8  | 71.8  | 69.0  | 66.1  |
| 77.5° | 35.1  | 34.1  | 36.4  | 37.7  | 40.0  | 42.8  | 47.5  | 49.6  | 57.1  | 54.6  | 54.7  |
| 80°   | 26.0  | 25.0  | 26.8  | 26.9  | 29.5  | 31.2  | 34.2  | 36.6  | 40.4  | 40.0  | 41.4  |
| 82.5° | 17.4  | 17.2  | 17.9  | 18.3  | 19.8  | 21.2  | 23.2  | 24.7  | 26.6  | 27.1  | 26.5  |
| 85°   | 9.6   | 9.7   | 10.8  | 10.8  | 10.9  | 11.4  | 12.4  | 13.6  | 14.2  | 14.5  | 14.1  |
| 87.5° | 4.7   | 4.9   | 4.9   | 4.6   | 4.6   | 4.4   | 4.5   | 4.8   | 5.4   | 5.1   | 4.9   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P394818

CATALOG NUMBER: 303-W1-LEDB1-3000-UNV-T2-DIM10

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 | 134.3 |
| 2.5°  | 136.0 | 134.4 | 131.8 | 134.3 | 132.9 | 127.5 | 131.2 | 139.0 | 133.7 | 129.0 |
| 5°    | 136.2 | 134.2 | 131.5 | 133.3 | 132.3 | 132.0 | 132.9 | 134.1 | 132.5 | 134.3 |
| 7.5°  | 137.2 | 133.7 | 131.7 | 133.6 | 136.8 | 134.2 | 129.9 | 136.8 | 130.9 | 128.9 |
| 10°   | 138.5 | 134.7 | 132.3 | 129.8 | 136.9 | 129.2 | 129.8 | 131.6 | 130.3 | 133.5 |
| 12.5° | 136.3 | 136.4 | 133.2 | 134.6 | 132.3 | 126.9 | 125.4 | 130.9 | 130.2 | 130.2 |
| 15°   | 142.6 | 138.1 | 137.9 | 135.8 | 133.1 | 134.3 | 129.1 | 130.1 | 129.6 | 131.9 |
| 17.5° | 144.7 | 140.7 | 138.2 | 137.5 | 134.0 | 129.9 | 128.9 | 129.2 | 129.0 | 130.1 |
| 20°   | 150.4 | 141.9 | 140.2 | 139.0 | 134.8 | 134.9 | 128.5 | 128.0 | 124.7 | 129.3 |
| 22.5° | 146.9 | 146.1 | 140.3 | 140.4 | 135.3 | 131.2 | 127.7 | 126.4 | 122.6 | 129.2 |
| 25°   | 152.9 | 145.0 | 143.3 | 141.9 | 131.2 | 130.8 | 126.6 | 124.9 | 124.2 | 127.6 |
| 27.5° | 153.3 | 146.8 | 145.0 | 138.1 | 131.3 | 128.0 | 122.9 | 121.7 | 116.4 | 125.4 |
| 30°   | 167.5 | 153.3 | 139.5 | 143.7 | 135.7 | 131.6 | 122.8 | 119.9 | 113.0 | 117.4 |
| 32.5° | 159.1 | 150.2 | 142.6 | 144.1 | 132.1 | 129.0 | 119.8 | 118.2 | 109.1 | 113.2 |
| 35°   | 165.5 | 154.2 | 148.2 | 142.6 | 124.8 | 125.7 | 115.8 | 110.2 | 110.7 | 108.4 |
| 37.5° | 166.8 | 156.3 | 147.8 | 138.0 | 125.7 | 121.5 | 108.1 | 104.6 | 102.7 | 101.9 |
| 40°   | 159.4 | 154.5 | 143.3 | 140.5 | 124.3 | 116.0 | 99.7  | 97.2  | 90.1  | 99.1  |
| 42.5° | 160.3 | 153.6 | 143.1 | 133.5 | 118.2 | 109.4 | 96.9  | 85.6  | 78.9  | 77.8  |
| 45°   | 156.7 | 151.8 | 136.8 | 128.2 | 110.9 | 101.7 | 79.5  | 58.3  | 51.4  | 52.4  |
| 47.5° | 155.0 | 139.5 | 137.2 | 122.7 | 107.0 | 90.5  | 61.7  | 49.8  | 43.6  | 41.9  |
| 50°   | 152.9 | 146.2 | 124.3 | 117.9 | 101.1 | 69.6  | 48.1  | 39.1  | 34.5  | 35.2  |
| 52.5° | 153.4 | 143.8 | 128.1 | 111.6 | 89.6  | 58.0  | 45.4  | 32.6  | 29.2  | 28.2  |
| 55°   | 145.5 | 134.5 | 122.5 | 104.2 | 70.4  | 50.7  | 38.7  | 25.5  | 20.4  | 18.7  |
| 57.5° | 140.3 | 130.5 | 115.5 | 94.9  | 61.2  | 43.6  | 29.1  | 10.7  | 7.5   | 7.4   |
| 60°   | 137.2 | 125.9 | 107.7 | 84.3  | 56.5  | 36.7  | 17.8  | 6.0   | 3.1   | 2.5   |
| 62.5° | 129.1 | 114.6 | 95.0  | 70.5  | 49.0  | 24.6  | 13.5  | 2.7   | 0.0   | 0.0   |
| 65°   | 114.4 | 104.3 | 82.6  | 60.2  | 38.4  | 20.0  | 9.9   | 1.7   | 0.0   | 0.0   |
| 67.5° | 104.0 | 87.7  | 76.2  | 53.7  | 31.8  | 16.6  | 9.0   | 1.6   | 0.0   | 0.0   |
| 70°   | 91.2  | 85.2  | 66.1  | 45.8  | 27.8  | 13.8  | 7.4   | 1.3   | 0.0   | 0.0   |
| 72.5° | 78.3  | 70.4  | 58.2  | 39.4  | 22.6  | 11.6  | 6.1   | 1.2   | 0.0   | 0.0   |
| 75°   | 63.8  | 59.6  | 46.1  | 30.7  | 18.9  | 9.7   | 4.9   | 1.0   | 0.0   | 0.0   |
| 77.5° | 49.1  | 46.4  | 37.3  | 25.3  | 15.1  | 7.7   | 4.0   | 0.7   | 0.0   | 0.0   |
| 80°   | 38.9  | 34.4  | 26.4  | 17.4  | 10.9  | 5.6   | 2.8   | 0.6   | 0.0   | 0.0   |
| 82.5° | 25.5  | 21.8  | 17.8  | 12.2  | 7.4   | 3.6   | 1.9   | 0.3   | 0.0   | 0.0   |
| 85°   | 13.4  | 11.8  | 9.9   | 6.5   | 4.2   | 2.1   | 1.1   | 0.3   | 0.0   | 0.0   |
| 87.5° | 4.9   | 4.0   | 3.4   | 2.3   | 1.6   | 0.7   | 0.4   | 0.1   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)