

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: P394821

Luminaire Tested: **303-A1-LEDB2-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394821  
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-A1-LEDB2-3000-UNV-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 2  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

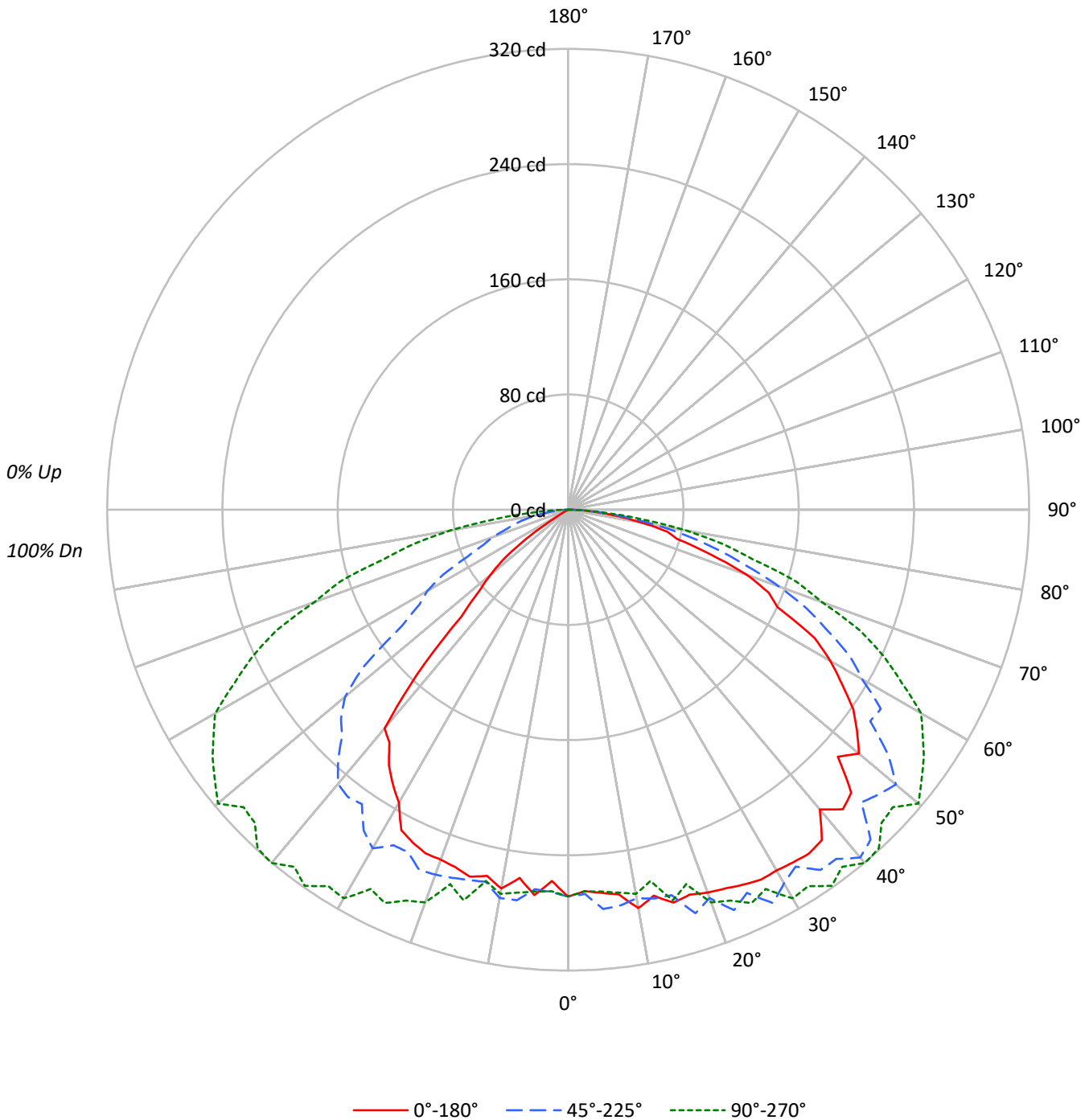
Lumens per Lamp: N/A  
Luminaire Lumens: 1065.3 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.5  
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: 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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 108 | 103 | 98  | 94  | 105 | 101 | 97  | 93  | 96  | 93  | 90  | 92  | 90  | 87  | 89  | 87  | 84  |
| 2   | 98  | 89  | 82  | 75  | 95  | 87  | 80  | 74  | 83  | 78  | 73  | 80  | 75  | 71  | 77  | 73  | 69  |
| 3   | 88  | 77  | 68  | 62  | 86  | 76  | 67  | 61  | 72  | 66  | 60  | 70  | 64  | 59  | 67  | 62  | 58  |
| 4   | 80  | 68  | 58  | 51  | 78  | 66  | 58  | 51  | 64  | 56  | 50  | 61  | 55  | 50  | 59  | 53  | 49  |
| 5   | 74  | 60  | 51  | 44  | 71  | 59  | 50  | 43  | 57  | 49  | 43  | 55  | 48  | 42  | 53  | 47  | 42  |
| 6   | 68  | 54  | 44  | 37  | 66  | 53  | 44  | 37  | 51  | 43  | 37  | 49  | 42  | 37  | 47  | 41  | 36  |
| 7   | 62  | 48  | 39  | 33  | 61  | 47  | 39  | 33  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 37  | 32  |
| 8   | 58  | 44  | 35  | 29  | 56  | 43  | 35  | 29  | 42  | 34  | 28  | 40  | 33  | 28  | 39  | 33  | 28  |
| 9   | 54  | 40  | 31  | 26  | 52  | 39  | 31  | 26  | 38  | 31  | 25  | 37  | 30  | 25  | 36  | 30  | 25  |
| 10  | 50  | 37  | 28  | 23  | 49  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 33  | 27  | 23  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 18504 | 18504 | 18504 |
| 5°  | 18471 | 18409 | 18575 |
| 10° | 19650 | 18943 | 18684 |
| 15° | 20148 | 20020 | 18814 |
| 20° | 20740 | 21268 | 18958 |
| 25° | 21838 | 22902 | 19391 |
| 30° | 23005 | 24787 | 18686 |
| 35° | 24515 | 26811 | 18241 |
| 40° | 24434 | 28795 | 17833 |
| 45° | 27075 | 29968 | 10210 |
| 50° | 28230 | 34006 | 7545  |
| 55° | 29006 | 36188 | 4480  |
| 60° | 28948 | 38978 | 689   |
| 65° | 26146 | 39464 | 0     |
| 70° | 26527 | 37726 | 0     |
| 75° | 20761 | 35214 | 0     |
| 80° | 20669 | 32849 | 0     |
| 85° | 15097 | 22211 | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.7   | 2.4       |
| 10°-20°   | 78.2   | 7.3       |
| 20°-30°   | 131.0  | 12.3      |
| 30°-40°   | 178.6  | 16.8      |
| 40°-50°   | 200.7  | 18.8      |
| 50°-60°   | 191.6  | 18.0      |
| 60°-70°   | 150.3  | 14.1      |
| 70°-80°   | 87.4   | 8.2       |
| 80°-90°   | 21.7   | 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°    | 234.9  | 22.1      |
| 0°-40°    | 413.5  | 38.8      |
| 0°-60°    | 805.8  | 75.6      |
| 0°-90°    | 1065.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1065.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 269 | 269 | 269 | 269  | 269  |      |
| 5°  | 267 | 278 | 266 | 264  | 269  | 26   |
| 15° | 282 | 277 | 281 | 266  | 264  | 79   |
| 25° | 287 | 294 | 301 | 262  | 255  | 133  |
| 35° | 292 | 305 | 319 | 250  | 217  | 181  |
| 45° | 278 | 288 | 308 | 222  | 105  | 209  |
| 55° | 242 | 256 | 301 | 141  | 37   | 214  |
| 65° | 160 | 199 | 242 | 77   | 0    | 167  |
| 75° | 78  | 108 | 132 | 38   | 0    | 91   |
| 85° | 19  | 23  | 28  | 8    | 0    | 24   |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



TEST NUMBER: P394821

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T2-DIM10

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 |
| 2.5°  | 265.1 | 279.8 | 276.3 | 270.0 | 264.5 | 267.1 | 269.1 | 276.6 | 266.0 | 268.9 | 265.2 |
| 5°    | 267.1 | 265.8 | 272.6 | 261.9 | 266.9 | 278.3 | 252.9 | 264.9 | 267.5 | 269.8 | 266.2 |
| 7.5°  | 269.5 | 272.4 | 274.3 | 281.8 | 265.8 | 277.2 | 274.4 | 275.9 | 285.1 | 272.0 | 268.2 |
| 10°   | 280.9 | 288.2 | 278.3 | 258.4 | 268.4 | 273.9 | 278.3 | 276.3 | 278.1 | 274.8 | 270.8 |
| 12.5° | 274.6 | 277.4 | 281.2 | 284.4 | 276.3 | 276.6 | 273.5 | 277.2 | 301.3 | 277.6 | 264.0 |
| 15°   | 282.5 | 303.1 | 284.2 | 280.0 | 279.8 | 277.0 | 286.0 | 283.1 | 283.6 | 281.8 | 280.7 |
| 17.5° | 280.3 | 287.9 | 287.5 | 282.9 | 275.4 | 293.8 | 290.6 | 286.6 | 308.1 | 286.6 | 272.6 |
| 20°   | 282.9 | 291.0 | 290.4 | 286.0 | 287.5 | 286.9 | 277.2 | 291.0 | 292.8 | 282.5 | 290.1 |
| 22.5° | 284.7 | 300.7 | 290.1 | 268.6 | 290.4 | 300.9 | 298.7 | 298.7 | 297.2 | 296.5 | 293.8 |
| 25°   | 287.3 | 294.1 | 291.0 | 280.3 | 274.4 | 293.6 | 295.4 | 308.5 | 303.1 | 302.6 | 301.3 |
| 27.5° | 289.7 | 294.7 | 295.0 | 291.0 | 297.6 | 307.9 | 308.5 | 303.5 | 308.8 | 307.6 | 296.9 |
| 30°   | 289.2 | 295.4 | 296.5 | 294.1 | 278.9 | 299.6 | 306.3 | 309.4 | 310.7 | 311.6 | 311.6 |
| 32.5° | 290.4 | 306.8 | 300.4 | 286.2 | 292.3 | 293.8 | 310.3 | 319.7 | 321.9 | 316.0 | 309.9 |
| 35°   | 291.5 | 295.6 | 298.2 | 286.9 | 305.3 | 305.3 | 314.2 | 314.7 | 322.8 | 318.2 | 318.8 |
| 37.5° | 289.2 | 293.8 | 289.3 | 296.9 | 294.1 | 305.7 | 320.6 | 314.7 | 319.1 | 324.1 | 312.5 |
| 40°   | 271.7 | 296.9 | 286.0 | 286.6 | 293.2 | 315.3 | 320.1 | 325.4 | 324.5 | 316.9 | 320.2 |
| 42.5° | 282.2 | 291.0 | 288.8 | 289.3 | 289.7 | 310.7 | 314.2 | 323.4 | 317.5 | 325.0 | 319.1 |
| 45°   | 277.9 | 286.0 | 284.2 | 285.3 | 296.3 | 287.5 | 315.1 | 310.3 | 317.3 | 317.5 | 307.6 |
| 47.5° | 253.8 | 286.6 | 278.7 | 281.1 | 291.0 | 292.5 | 311.2 | 308.8 | 324.1 | 317.9 | 305.7 |
| 50°   | 263.4 | 277.4 | 260.6 | 273.3 | 285.7 | 296.9 | 305.9 | 313.1 | 312.5 | 305.9 | 317.3 |
| 52.5° | 252.7 | 252.7 | 259.4 | 254.0 | 270.0 | 280.1 | 298.2 | 296.0 | 309.4 | 318.8 | 309.0 |
| 55°   | 241.5 | 238.8 | 246.8 | 223.7 | 258.3 | 256.0 | 288.4 | 309.9 | 312.0 | 285.3 | 301.3 |
| 57.5° | 225.3 | 231.4 | 236.0 | 236.4 | 239.9 | 257.3 | 275.0 | 288.4 | 293.8 | 291.5 | 291.9 |
| 60°   | 210.1 | 207.5 | 219.3 | 212.8 | 229.0 | 235.8 | 268.9 | 266.9 | 280.9 | 280.3 | 282.9 |
| 62.5° | 192.6 | 189.5 | 195.5 | 202.9 | 213.7 | 220.5 | 249.4 | 250.2 | 264.5 | 271.9 | 261.4 |
| 65°   | 160.4 | 171.2 | 177.0 | 181.6 | 193.7 | 198.7 | 221.8 | 225.3 | 238.2 | 242.6 | 242.1 |
| 67.5° | 150.5 | 149.0 | 155.8 | 157.3 | 169.2 | 179.0 | 209.3 | 205.5 | 216.1 | 228.3 | 219.4 |
| 70°   | 131.7 | 128.9 | 134.5 | 136.9 | 148.4 | 155.6 | 171.2 | 179.2 | 189.6 | 195.5 | 187.3 |
| 72.5° | 104.1 | 107.2 | 116.6 | 117.7 | 123.8 | 130.2 | 154.3 | 152.5 | 169.4 | 172.7 | 165.9 |
| 75°   | 78.0  | 87.4  | 93.1  | 93.6  | 100.8 | 107.8 | 125.4 | 129.7 | 143.7 | 138.0 | 132.3 |
| 77.5° | 70.3  | 68.2  | 72.8  | 75.4  | 80.0  | 85.5  | 94.9  | 99.1  | 114.2 | 109.3 | 109.4 |
| 80°   | 52.1  | 50.0  | 53.5  | 53.7  | 59.0  | 62.4  | 68.4  | 73.2  | 80.8  | 80.0  | 82.8  |
| 82.5° | 34.8  | 34.4  | 35.9  | 36.6  | 39.5  | 42.3  | 46.4  | 49.5  | 53.2  | 54.3  | 53.0  |
| 85°   | 19.1  | 19.5  | 21.5  | 21.5  | 21.7  | 22.8  | 24.8  | 27.2  | 28.3  | 29.1  | 28.1  |
| 87.5° | 9.4   | 9.7   | 9.7   | 9.2   | 9.2   | 8.8   | 9.0   | 9.6   | 10.9  | 10.1  | 9.7   |
| 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: P394821

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**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 | 268.6 |
| 2.5°  | 272.0 | 268.7 | 263.6 | 268.6 | 265.8 | 254.9 | 262.5 | 277.9 | 267.5 | 258.1 |
| 5°    | 272.4 | 268.4 | 263.0 | 266.5 | 264.5 | 264.0 | 265.8 | 268.2 | 265.1 | 268.6 |
| 7.5°  | 274.4 | 267.5 | 263.4 | 267.3 | 273.5 | 268.4 | 259.7 | 273.5 | 261.7 | 257.9 |
| 10°   | 277.0 | 269.5 | 264.7 | 259.5 | 273.7 | 258.4 | 259.5 | 263.2 | 260.6 | 267.1 |
| 12.5° | 272.6 | 272.8 | 266.3 | 269.1 | 264.7 | 253.8 | 250.7 | 261.7 | 260.5 | 260.5 |
| 15°   | 285.1 | 276.3 | 275.7 | 271.7 | 266.2 | 268.6 | 258.3 | 260.3 | 259.2 | 263.8 |
| 17.5° | 289.3 | 281.4 | 276.5 | 275.0 | 268.0 | 259.7 | 257.7 | 258.4 | 258.1 | 260.3 |
| 20°   | 300.7 | 283.8 | 280.3 | 277.9 | 269.7 | 269.8 | 257.0 | 256.0 | 249.4 | 258.6 |
| 22.5° | 293.8 | 292.3 | 280.7 | 280.9 | 270.6 | 262.3 | 255.3 | 252.7 | 245.2 | 258.4 |
| 25°   | 305.7 | 290.1 | 286.6 | 283.8 | 262.5 | 261.6 | 253.1 | 249.8 | 248.3 | 255.1 |
| 27.5° | 306.6 | 293.6 | 290.1 | 276.3 | 262.7 | 256.0 | 245.7 | 243.4 | 232.9 | 250.9 |
| 30°   | 335.0 | 306.6 | 279.0 | 287.3 | 271.5 | 263.2 | 245.6 | 239.9 | 226.1 | 234.9 |
| 32.5° | 318.2 | 300.4 | 285.1 | 288.2 | 264.1 | 258.1 | 239.7 | 236.4 | 218.2 | 226.4 |
| 35°   | 330.9 | 308.5 | 296.3 | 285.1 | 249.6 | 251.4 | 231.6 | 220.4 | 221.5 | 216.9 |
| 37.5° | 333.7 | 312.5 | 295.6 | 276.1 | 251.4 | 243.0 | 216.1 | 209.1 | 205.5 | 203.8 |
| 40°   | 318.8 | 309.0 | 286.6 | 281.1 | 248.5 | 232.0 | 199.4 | 194.4 | 180.3 | 198.3 |
| 42.5° | 320.6 | 307.2 | 286.2 | 267.1 | 236.4 | 218.9 | 193.9 | 171.2 | 157.8 | 155.6 |
| 45°   | 313.4 | 303.5 | 273.5 | 256.4 | 221.8 | 203.4 | 158.9 | 116.6 | 102.8 | 104.8 |
| 47.5° | 309.9 | 279.0 | 274.4 | 245.4 | 213.9 | 181.0 | 123.4 | 99.7  | 87.2  | 83.9  |
| 50°   | 305.7 | 292.5 | 248.7 | 235.8 | 202.2 | 139.2 | 96.2  | 78.2  | 69.0  | 70.4  |
| 52.5° | 306.8 | 287.5 | 256.2 | 223.1 | 179.2 | 116.1 | 90.9  | 65.1  | 58.5  | 56.5  |
| 55°   | 291.0 | 268.9 | 245.0 | 208.4 | 140.9 | 101.4 | 77.4  | 51.0  | 40.8  | 37.3  |
| 57.5° | 280.7 | 261.0 | 231.0 | 189.8 | 122.3 | 87.2  | 58.1  | 21.3  | 15.1  | 14.7  |
| 60°   | 274.4 | 251.8 | 215.4 | 168.7 | 112.9 | 73.4  | 35.5  | 12.0  | 6.3   | 5.0   |
| 62.5° | 258.3 | 229.2 | 190.0 | 141.1 | 98.0  | 49.1  | 27.0  | 5.3   | 0.0   | 0.0   |
| 65°   | 228.8 | 208.6 | 165.2 | 120.5 | 76.9  | 39.9  | 19.9  | 3.3   | 0.0   | 0.0   |
| 67.5° | 208.0 | 175.5 | 152.5 | 107.4 | 63.6  | 33.1  | 18.0  | 3.1   | 0.0   | 0.0   |
| 70°   | 182.5 | 170.3 | 132.3 | 91.6  | 55.6  | 27.6  | 14.9  | 2.6   | 0.0   | 0.0   |
| 72.5° | 156.5 | 140.7 | 116.4 | 78.7  | 45.2  | 23.2  | 12.1  | 2.4   | 0.0   | 0.0   |
| 75°   | 127.7 | 119.2 | 92.2  | 61.4  | 37.9  | 19.3  | 9.7   | 2.0   | 0.0   | 0.0   |
| 77.5° | 98.2  | 92.7  | 74.7  | 50.6  | 30.2  | 15.5  | 7.9   | 1.5   | 0.0   | 0.0   |
| 80°   | 77.8  | 68.8  | 52.8  | 34.8  | 21.9  | 11.2  | 5.5   | 1.1   | 0.0   | 0.0   |
| 82.5° | 51.0  | 43.6  | 35.7  | 24.5  | 14.9  | 7.2   | 3.9   | 0.6   | 0.0   | 0.0   |
| 85°   | 26.9  | 23.5  | 19.9  | 13.1  | 8.5   | 4.2   | 2.2   | 0.6   | 0.0   | 0.0   |
| 87.5° | 9.7   | 8.1   | 6.8   | 4.6   | 3.1   | 1.5   | 0.7   | 0.2   | 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)