

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

Brand: IRiS

Report Number: P#

Luminaire Tested: P3ART13R70W2N902765DE010 E3LCWW1WMH_2700K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70W2N902765DE010 E3LCWW1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

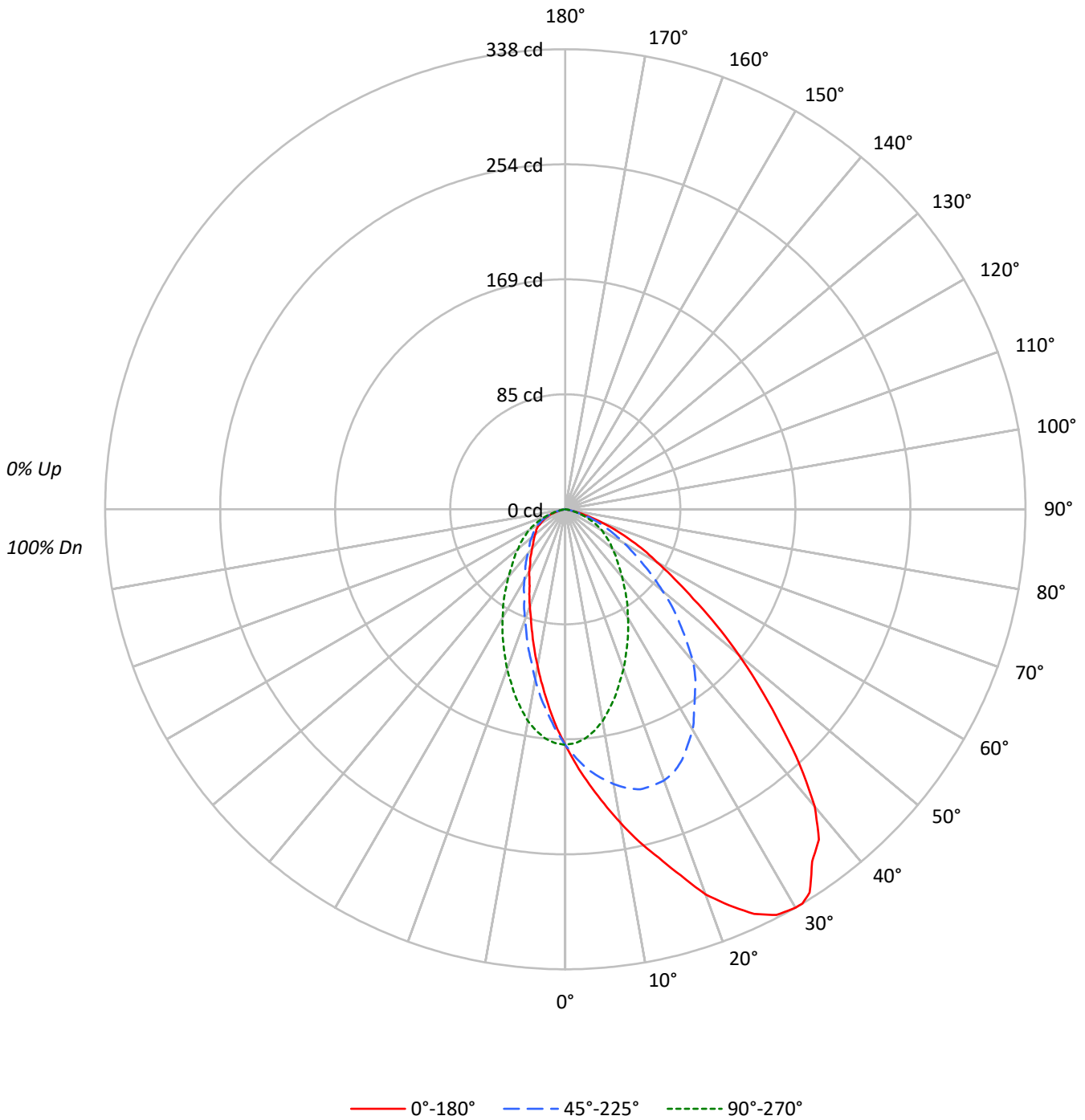
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
Input Voltage (V): NR
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

TEST NUMBER: P#
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Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1WMH_2700K

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 | 100 | | | | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | 88 |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | | | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | | | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | | | 58 |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | | | 51 |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | | | 46 |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | | | 41 |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | | | 37 |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | | | 34 |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | | | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 37936 | 37936 | 37936 | 37936 | 37936 |
| 5° | 44684 | 42263 | 37200 | 33018 | 31697 |
| 10° | 52103 | 45646 | 35181 | 28278 | 26052 |
| 15° | 60159 | 48354 | 32236 | 23837 | 21340 |
| 20° | 70239 | 49471 | 29169 | 20068 | 17735 |
| 25° | 79359 | 49116 | 26131 | 17178 | 15001 |
| 30° | 85583 | 47349 | 23295 | 15192 | 13420 |
| 35° | 84591 | 44437 | 20880 | 13652 | 12046 |
| 40° | 81581 | 41793 | 18606 | 12309 | 10878 |
| 45° | 69154 | 36903 | 16746 | 11474 | 10234 |
| 50° | 56629 | 31726 | 15351 | 10916 | 9893 |
| 55° | 43965 | 26379 | 14528 | 10705 | 9940 |
| 60° | 34208 | 21928 | 13595 | 10525 | 9210 |
| 65° | 26981 | 18160 | 11934 | 9858 | 8821 |
| 70° | 18593 | 13464 | 9617 | 8335 | 7694 |
| 75° | 9320 | 7625 | 6778 | 5931 | 5083 |
| 80° | 1263 | 2526 | 3788 | 2526 | 1263 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 69154 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.2 | 4.6 |
| 10°-20° | 45.1 | 12.8 |
| 20°-30° | 66.4 | 18.9 |
| 30°-40° | 74.5 | 21.2 |
| 40°-50° | 65.5 | 18.6 |
| 50°-60° | 46.8 | 13.3 |
| 60°-70° | 27.7 | 7.9 |
| 70°-80° | 9.3 | 2.6 |
| 80°-90° | 0.4 | 0.1 |
| 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° | 127.7 | 36.3 |
| 0°-40° | 202.1 | 57.4 |
| 0°-60° | 314.5 | 89.3 |
| 0°-90° | 352.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 352.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 173 | 173 | 173 | 173 | 173 | |
| 5° | 203 | 192 | 169 | 150 | 144 | 20 |
| 15° | 265 | 213 | 142 | 105 | 94 | 76 |
| 25° | 328 | 203 | 108 | 71 | 62 | 151 |
| 35° | 316 | 166 | 78 | 51 | 45 | 199 |
| 45° | 223 | 119 | 54 | 37 | 33 | 172 |
| 55° | 115 | 69 | 38 | 28 | 26 | 105 |
| 65° | 52 | 35 | 23 | 19 | 17 | 52 |
| 75° | 11 | 9 | 8 | 7 | 6 | 13 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1WMH_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0° | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 2.5° | 188 | 188 | 188 | 186 | 186 | 183 | 181 | 178 | 176 | 173 | 172 |
| 5° | 203 | 203 | 201 | 199 | 196 | 192 | 187 | 182 | 176 | 171 | 169 |
| 7.5° | 218 | 219 | 216 | 212 | 206 | 199 | 192 | 184 | 175 | 168 | 164 |
| 10° | 234 | 234 | 230 | 224 | 215 | 205 | 194 | 183 | 172 | 162 | 158 |
| 12.5° | 250 | 249 | 244 | 235 | 224 | 210 | 195 | 181 | 168 | 156 | 150 |
| 15° | 265 | 265 | 258 | 247 | 231 | 213 | 195 | 177 | 162 | 148 | 142 |
| 17.5° | 282 | 282 | 273 | 256 | 236 | 213 | 192 | 172 | 155 | 140 | 133 |
| 20° | 301 | 300 | 287 | 264 | 238 | 212 | 188 | 166 | 147 | 131 | 125 |
| 22.5° | 315 | 314 | 299 | 271 | 239 | 209 | 181 | 158 | 139 | 123 | 116 |
| 25° | 328 | 326 | 309 | 274 | 237 | 203 | 174 | 149 | 131 | 115 | 108 |
| 27.5° | 336 | 335 | 316 | 273 | 232 | 195 | 165 | 141 | 122 | 106 | 100 |
| 30° | 338 | 339 | 316 | 268 | 224 | 187 | 156 | 132 | 113 | 99 | 92 |
| 31° | 338 | 339 | 314 | 265 | 221 | 183 | 152 | 129 | 109 | 95 | 89 |
| 32.5° | 334 | 332 | 311 | 260 | 214 | 176 | 147 | 124 | 104 | 90 | 85 |
| 35° | 316 | 317 | 301 | 249 | 204 | 166 | 137 | 114 | 95 | 83 | 78 |
| 37.5° | 306 | 306 | 277 | 234 | 193 | 157 | 125 | 103 | 87 | 76 | 71 |
| 40° | 285 | 282 | 255 | 218 | 180 | 146 | 118 | 96 | 80 | 69 | 65 |
| 42.5° | 255 | 252 | 231 | 204 | 163 | 132 | 112 | 85 | 72 | 63 | 59 |
| 45° | 223 | 221 | 205 | 180 | 147 | 119 | 97 | 78 | 66 | 57 | 54 |
| 47.5° | 194 | 191 | 179 | 160 | 133 | 107 | 84 | 70 | 59 | 52 | 50 |
| 50° | 166 | 165 | 155 | 140 | 118 | 93 | 74 | 62 | 54 | 48 | 45 |
| 52.5° | 140 | 138 | 133 | 121 | 103 | 81 | 65 | 55 | 48 | 44 | 42 |
| 55° | 115 | 115 | 110 | 102 | 88 | 69 | 57 | 49 | 43 | 40 | 38 |
| 57.5° | 95 | 95 | 91 | 86 | 73 | 59 | 50 | 43 | 39 | 36 | 34 |
| 60° | 78 | 78 | 75 | 70 | 61 | 50 | 43 | 38 | 35 | 32 | 31 |
| 62.5° | 65 | 64 | 62 | 57 | 50 | 42 | 37 | 33 | 30 | 28 | 27 |
| 65° | 52 | 51 | 49 | 45 | 40 | 35 | 31 | 28 | 26 | 24 | 23 |
| 67.5° | 40 | 40 | 38 | 35 | 31 | 28 | 25 | 23 | 21 | 20 | 19 |
| 70° | 29 | 29 | 28 | 26 | 23 | 21 | 19 | 18 | 17 | 16 | 15 |
| 72.5° | 20 | 20 | 19 | 18 | 16 | 15 | 13 | 13 | 12 | 12 | 11 |
| 75° | 11 | 11 | 11 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 |
| 77.5° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 80° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-----|------|------|------|------|------|------|------|------|------|
| 0° | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 |
| 2.5° | 171 | 168 | 166 | 165 | 162 | 161 | 160 | 159 | 159 | 159 |
| 5° | 167 | 162 | 157 | 154 | 150 | 148 | 146 | 145 | 144 | 144 |
| 7.5° | 160 | 154 | 148 | 143 | 139 | 135 | 133 | 131 | 131 | 130 |
| 10° | 153 | 145 | 138 | 131 | 127 | 122 | 120 | 118 | 117 | 117 |
| 12.5° | 145 | 135 | 127 | 121 | 115 | 111 | 108 | 106 | 105 | 105 |
| 15° | 136 | 126 | 117 | 111 | 105 | 100 | 97 | 95 | 94 | 94 |
| 17.5° | 127 | 117 | 107 | 101 | 95 | 90 | 88 | 86 | 85 | 84 |
| 20° | 119 | 107 | 99 | 91 | 86 | 82 | 79 | 77 | 76 | 76 |
| 22.5° | 110 | 99 | 90 | 84 | 79 | 75 | 71 | 70 | 69 | 69 |
| 25° | 101 | 91 | 83 | 77 | 71 | 68 | 65 | 63 | 63 | 62 |
| 27.5° | 94 | 84 | 76 | 70 | 66 | 62 | 60 | 58 | 57 | 57 |
| 30° | 86 | 77 | 70 | 65 | 60 | 57 | 55 | 53 | 53 | 53 |
| 31° | 84 | 75 | 68 | 62 | 58 | 55 | 53 | 52 | 51 | 51 |
| 32.5° | 79 | 71 | 64 | 59 | 55 | 52 | 50 | 49 | 49 | 48 |
| 35° | 73 | 65 | 59 | 54 | 51 | 48 | 46 | 45 | 45 | 45 |
| 37.5° | 67 | 60 | 54 | 50 | 47 | 44 | 43 | 41 | 41 | 41 |
| 40° | 61 | 55 | 50 | 46 | 43 | 41 | 40 | 39 | 38 | 38 |
| 42.5° | 56 | 50 | 46 | 43 | 40 | 38 | 37 | 36 | 36 | 35 |
| 45° | 51 | 46 | 43 | 40 | 37 | 36 | 35 | 34 | 33 | 33 |
| 47.5° | 47 | 43 | 39 | 37 | 35 | 33 | 32 | 32 | 31 | 31 |
| 50° | 43 | 39 | 36 | 34 | 32 | 31 | 30 | 30 | 29 | 29 |
| 52.5° | 40 | 36 | 34 | 32 | 30 | 29 | 28 | 28 | 27 | 27 |
| 55° | 36 | 33 | 31 | 30 | 28 | 27 | 26 | 25 | 25 | 26 |
| 57.5° | 33 | 31 | 29 | 28 | 26 | 25 | 24 | 24 | 23 | 24 |
| 60° | 30 | 28 | 26 | 25 | 24 | 23 | 22 | 21 | 21 | 21 |
| 62.5° | 27 | 25 | 24 | 22 | 21 | 21 | 20 | 20 | 20 | 19 |
| 65° | 23 | 22 | 21 | 20 | 19 | 18 | 18 | 17 | 17 | 17 |
| 67.5° | 19 | 18 | 17 | 17 | 16 | 15 | 15 | 15 | 15 | 14 |
| 70° | 15 | 14 | 14 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| 72.5° | 11 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| 75° | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 77.5° | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 80° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)