

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: P3ART05R70B2750DE010 E3LSWW1WMH_3500K

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70B2750DE010 E3LSWW1WMH_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 80CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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#
CATALOG NUMBER: P3ART05R70B2750DE010 E3LSWW1WMH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LSWW1WMH_3500K

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 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | 68 | 68 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | 60 | 60 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | 43 | 43 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | 39 | 39 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | 35 | 35 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | 32 | 32 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 22454 | 22454 | 22454 | 22454 | 22454 |
| 5° | 27647 | 25732 | 21902 | 19238 | 18204 |
| 10° | 33756 | 28991 | 20619 | 15965 | 14696 |
| 15° | 40976 | 31782 | 18774 | 13258 | 11828 |
| 20° | 45901 | 33743 | 16731 | 10804 | 9591 |
| 25° | 48850 | 34163 | 14832 | 8952 | 7549 |
| 30° | 50109 | 33119 | 13040 | 7621 | 6457 |
| 35° | 48479 | 32070 | 11457 | 6505 | 5568 |
| 40° | 44397 | 30142 | 10105 | 5811 | 4981 |
| 45° | 39291 | 25119 | 8962 | 5396 | 4497 |
| 50° | 32579 | 21526 | 7880 | 4947 | 4162 |
| 55° | 24544 | 17930 | 7302 | 4664 | 3747 |
| 60° | 19297 | 13464 | 6578 | 4298 | 3289 |
| 65° | 14424 | 9910 | 5707 | 3580 | 2698 |
| 70° | 9296 | 6283 | 4103 | 2629 | 1475 |
| 75° | 3897 | 3474 | 1949 | 1017 | 508 |
| 80° | 758 | 758 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39291 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.7 | 4.8 |
| 10°-20° | 28.0 | 13.7 |
| 20°-30° | 40.9 | 20.0 |
| 30°-40° | 44.5 | 21.8 |
| 40°-50° | 38.5 | 18.9 |
| 50°-60° | 25.8 | 12.7 |
| 60°-70° | 13.3 | 6.5 |
| 70°-80° | 3.2 | 1.6 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 78.6 | 38.5 |
| 0°-40° | 123.1 | 60.3 |
| 0°-60° | 187.5 | 91.9 |
| 0°-90° | 204.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 204.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 102 | 102 | 102 | 102 | 102 | |
| 5° | 126 | 117 | 100 | 87 | 83 | 13 |
| 15° | 180 | 140 | 83 | 58 | 52 | 51 |
| 25° | 202 | 141 | 61 | 37 | 31 | 93 |
| 35° | 181 | 120 | 43 | 24 | 21 | 112 |
| 45° | 127 | 81 | 29 | 17 | 14 | 97 |
| 55° | 64 | 47 | 19 | 12 | 10 | 59 |
| 65° | 28 | 19 | 11 | 7 | 5 | 28 |
| 75° | 5 | 4 | 2 | 1 | 1 | 6 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LSWW1WMH_3500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 |
| 2.5° | 114.0 | 113.4 | 113.4 | 112.2 | 111.1 | 109.9 | 108.2 | 106.5 | 104.7 | 103.0 | 101.8 |
| 5° | 125.6 | 126.1 | 125.6 | 123.2 | 120.3 | 116.9 | 113.4 | 109.4 | 105.3 | 101.8 | 99.5 |
| 7.5° | 138.9 | 138.9 | 137.1 | 134.2 | 130.2 | 124.4 | 118.6 | 111.7 | 105.3 | 99.5 | 96.6 |
| 10° | 151.6 | 151.6 | 148.7 | 144.1 | 137.7 | 130.2 | 122.1 | 112.8 | 104.1 | 96.0 | 92.6 |
| 12.5° | 167.2 | 166.6 | 163.2 | 155.6 | 146.4 | 135.4 | 124.4 | 112.8 | 102.4 | 92.6 | 87.9 |
| 15° | 180.5 | 179.9 | 175.3 | 166.1 | 153.9 | 140.0 | 125.0 | 111.7 | 98.9 | 87.9 | 82.7 |
| 17.5° | 190.4 | 189.2 | 184.0 | 174.2 | 160.3 | 142.9 | 125.6 | 109.4 | 94.9 | 82.7 | 77.5 |
| 20° | 196.7 | 196.1 | 190.4 | 178.8 | 163.7 | 144.6 | 125.0 | 106.5 | 90.8 | 77.5 | 71.7 |
| 22.5° | 200.8 | 199.6 | 193.8 | 181.1 | 163.7 | 144.1 | 122.7 | 102.4 | 85.6 | 72.3 | 66.5 |
| 25° | 201.9 | 201.4 | 194.4 | 180.5 | 162.0 | 141.2 | 119.2 | 98.4 | 80.4 | 67.1 | 61.3 |
| 26° | 201.9 | 201.4 | 194.4 | 179.9 | 160.9 | 139.4 | 117.5 | 96.6 | 78.7 | 64.8 | 59.6 |
| 27.5° | 201.4 | 200.8 | 193.3 | 178.2 | 158.5 | 136.5 | 114.0 | 93.2 | 75.2 | 61.9 | 56.1 |
| 30° | 197.9 | 196.7 | 189.2 | 174.2 | 153.3 | 130.8 | 108.2 | 87.9 | 70.0 | 56.7 | 51.5 |
| 32.5° | 190.4 | 189.2 | 181.1 | 167.2 | 147.5 | 124.4 | 101.8 | 82.2 | 64.8 | 51.5 | 46.9 |
| 35° | 181.1 | 179.9 | 171.8 | 158.5 | 139.4 | 119.8 | 94.9 | 75.8 | 59.0 | 47.4 | 42.8 |
| 37.5° | 169.5 | 167.8 | 160.9 | 147.0 | 129.6 | 114.6 | 89.1 | 69.4 | 53.8 | 42.8 | 38.8 |
| 40° | 155.1 | 154.5 | 148.1 | 135.4 | 118.0 | 105.3 | 85.6 | 69.4 | 49.2 | 38.8 | 35.3 |
| 42.5° | 141.2 | 140.0 | 134.2 | 123.2 | 107.6 | 92.0 | 75.2 | 66.5 | 45.7 | 34.7 | 31.8 |
| 45° | 126.7 | 125.6 | 120.3 | 111.1 | 96.6 | 81.0 | 81.0 | 57.3 | 39.3 | 31.8 | 28.9 |
| 47.5° | 111.1 | 109.9 | 105.9 | 98.9 | 86.2 | 72.3 | 59.0 | 46.9 | 35.9 | 28.4 | 26.0 |
| 50° | 95.5 | 96.0 | 92.6 | 85.6 | 75.8 | 63.1 | 50.9 | 39.3 | 30.7 | 25.5 | 23.1 |
| 52.5° | 79.8 | 79.3 | 77.0 | 72.3 | 65.4 | 54.4 | 43.4 | 33.6 | 26.6 | 22.6 | 21.4 |
| 55° | 64.2 | 64.8 | 63.6 | 60.8 | 55.0 | 46.9 | 36.5 | 28.9 | 23.7 | 20.3 | 19.1 |
| 57.5° | 53.2 | 53.8 | 51.5 | 49.8 | 45.1 | 38.2 | 30.1 | 24.3 | 20.3 | 17.9 | 16.8 |
| 60° | 44.0 | 44.6 | 42.8 | 40.5 | 37.0 | 30.7 | 24.3 | 20.3 | 17.9 | 16.2 | 15.0 |
| 62.5° | 35.9 | 35.3 | 34.1 | 31.8 | 28.9 | 24.3 | 19.7 | 16.8 | 15.0 | 13.9 | 13.3 |
| 65° | 27.8 | 27.8 | 26.6 | 24.9 | 22.6 | 19.1 | 15.6 | 13.9 | 12.7 | 11.6 | 11.0 |
| 67.5° | 20.8 | 20.8 | 19.7 | 18.5 | 16.2 | 13.9 | 12.2 | 11.0 | 10.4 | 9.3 | 8.7 |
| 70° | 14.5 | 14.5 | 13.9 | 13.3 | 11.6 | 9.8 | 9.3 | 8.1 | 7.5 | 6.9 | 6.4 |
| 72.5° | 9.3 | 9.3 | 9.3 | 8.1 | 7.5 | 6.4 | 6.4 | 5.8 | 5.2 | 4.6 | 4.6 |
| 75° | 4.6 | 5.2 | 4.6 | 4.6 | 4.1 | 4.1 | 3.5 | 3.5 | 2.9 | 2.9 | 2.3 |
| 77.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LSWW1WMH_3500K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 |
| 2.5° | 100.7 | 98.9 | 97.8 | 96.0 | 94.9 | 93.7 | 93.2 | 92.6 | 92.6 | 92.6 |
| 5° | 97.8 | 94.9 | 92.0 | 89.1 | 87.4 | 85.6 | 83.9 | 83.3 | 82.7 | 82.7 |
| 7.5° | 94.3 | 89.7 | 85.6 | 82.2 | 79.3 | 77.5 | 75.8 | 74.6 | 74.1 | 74.1 |
| 10° | 89.7 | 83.9 | 79.3 | 74.6 | 71.7 | 69.4 | 68.3 | 66.5 | 66.5 | 66.0 |
| 12.5° | 84.5 | 77.5 | 72.3 | 68.3 | 65.4 | 62.5 | 60.8 | 59.6 | 59.0 | 59.0 |
| 15° | 78.7 | 71.7 | 66.0 | 61.3 | 58.4 | 55.5 | 53.8 | 52.7 | 52.1 | 52.1 |
| 17.5° | 72.9 | 65.4 | 59.6 | 55.0 | 52.1 | 49.2 | 47.4 | 46.3 | 46.3 | 45.7 |
| 20° | 67.1 | 59.6 | 53.8 | 49.2 | 46.3 | 44.0 | 42.2 | 41.1 | 40.5 | 41.1 |
| 22.5° | 61.9 | 54.4 | 48.6 | 44.6 | 41.1 | 38.8 | 37.0 | 36.5 | 35.9 | 35.9 |
| 25° | 56.1 | 49.2 | 44.0 | 39.9 | 37.0 | 34.7 | 33.0 | 32.4 | 31.8 | 31.2 |
| 26° | 54.4 | 47.4 | 42.2 | 38.2 | 35.3 | 33.0 | 31.8 | 30.7 | 30.1 | 30.1 |
| 27.5° | 52.1 | 44.6 | 39.9 | 35.9 | 33.0 | 31.2 | 29.5 | 28.9 | 28.4 | 28.4 |
| 30° | 46.9 | 40.5 | 35.9 | 32.4 | 30.1 | 27.8 | 26.6 | 26.0 | 25.5 | 25.5 |
| 32.5° | 42.8 | 36.5 | 32.4 | 29.5 | 27.2 | 25.5 | 24.3 | 23.1 | 23.1 | 23.1 |
| 35° | 38.8 | 33.0 | 29.5 | 26.6 | 24.3 | 22.6 | 22.0 | 21.4 | 20.8 | 20.8 |
| 37.5° | 35.3 | 30.1 | 26.6 | 24.3 | 22.6 | 20.8 | 19.7 | 19.1 | 19.1 | 19.1 |
| 40° | 31.8 | 27.8 | 24.3 | 22.0 | 20.3 | 19.1 | 17.9 | 17.4 | 17.4 | 17.4 |
| 42.5° | 28.9 | 24.9 | 22.6 | 20.3 | 18.5 | 17.4 | 16.8 | 16.2 | 15.6 | 15.6 |
| 45° | 26.6 | 23.1 | 20.3 | 18.5 | 17.4 | 16.2 | 15.0 | 14.5 | 14.5 | 14.5 |
| 47.5° | 23.7 | 21.4 | 18.5 | 16.8 | 15.6 | 14.5 | 13.9 | 13.3 | 13.3 | 13.3 |
| 50° | 22.0 | 19.7 | 17.4 | 15.6 | 14.5 | 13.3 | 12.7 | 12.2 | 12.2 | 12.2 |
| 52.5° | 19.7 | 17.9 | 16.2 | 14.5 | 13.3 | 12.2 | 11.6 | 11.0 | 11.0 | 11.0 |
| 55° | 17.9 | 16.2 | 14.5 | 13.3 | 12.2 | 11.0 | 10.4 | 9.8 | 9.8 | 9.8 |
| 57.5° | 16.2 | 14.5 | 13.3 | 12.2 | 11.0 | 10.4 | 9.3 | 9.3 | 8.7 | 8.7 |
| 60° | 14.5 | 12.7 | 11.6 | 11.0 | 9.8 | 9.3 | 8.1 | 7.5 | 7.5 | 7.5 |
| 62.5° | 12.2 | 11.6 | 10.4 | 9.3 | 8.1 | 7.5 | 6.9 | 6.4 | 6.4 | 6.4 |
| 65° | 10.4 | 9.8 | 8.7 | 7.5 | 6.9 | 6.4 | 5.8 | 5.2 | 5.2 | 5.2 |
| 67.5° | 8.7 | 7.5 | 6.9 | 6.4 | 5.8 | 5.2 | 4.6 | 4.1 | 3.5 | 4.1 |
| 70° | 6.4 | 5.8 | 5.2 | 4.6 | 4.1 | 3.5 | 2.9 | 2.9 | 2.3 | 2.3 |
| 72.5° | 4.1 | 3.5 | 3.5 | 2.9 | 2.3 | 2.3 | 1.7 | 1.7 | 1.2 | 1.2 |
| 75° | 2.3 | 2.3 | 1.7 | 1.7 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 |
| 77.5° | 1.2 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)