

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: PORTFOLIO

Report Number: P792413

Luminaire Tested: LER6D40BD010-EC6DR4040509035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR4040509035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5219.7 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

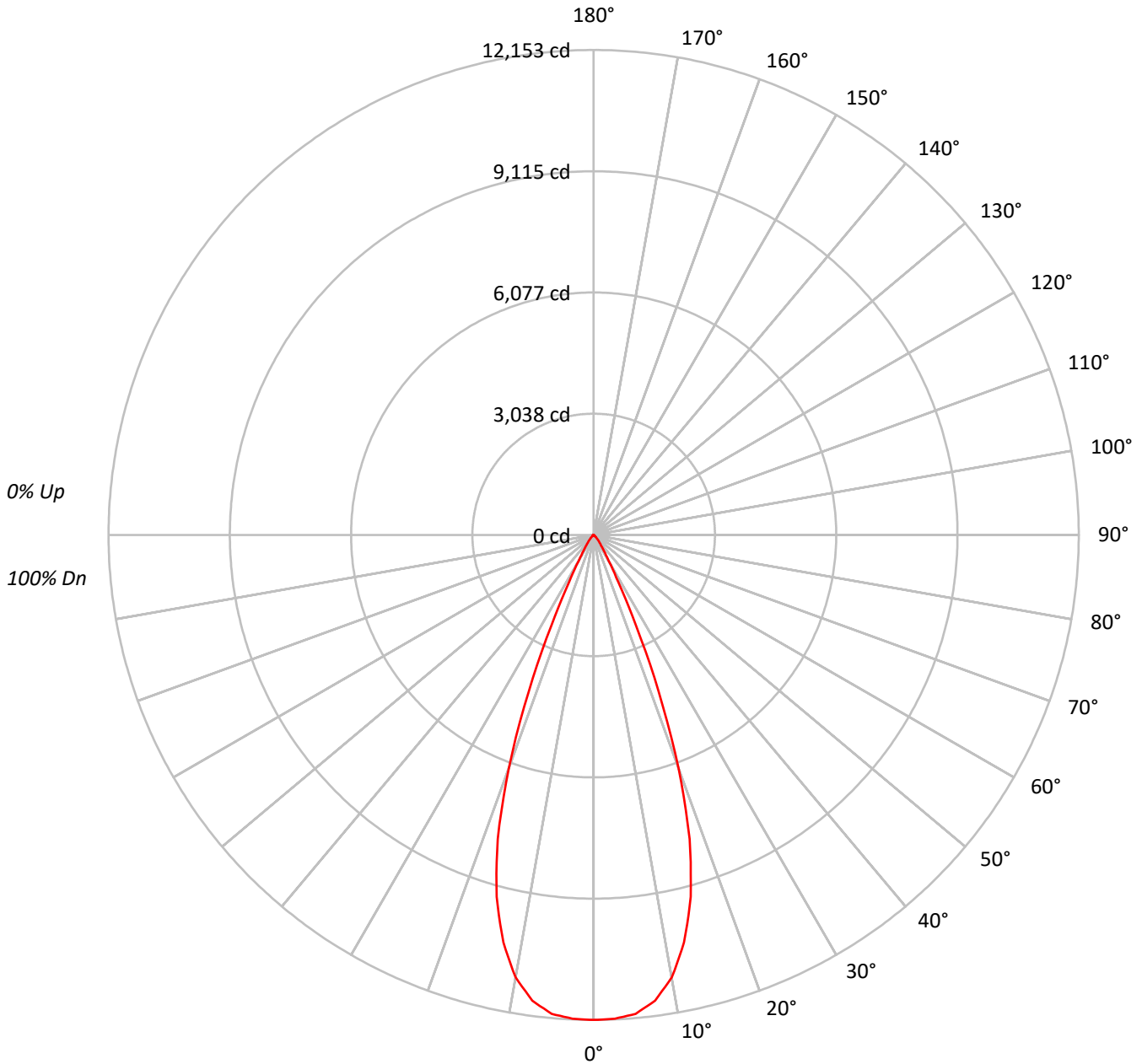
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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 | 115 | 112 | 110 | 108 | 112 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 101 | 100 | 99 | 98 | 97 | 96 |
| 2 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 99 | 102 | 99 | 97 | 99 | 97 | 95 | 96 | 95 | 93 | 92 |
| 3 | 106 | 101 | 97 | 94 | 104 | 100 | 96 | 93 | 97 | 94 | 92 | 95 | 93 | 90 | 93 | 91 | 89 | 88 |
| 4 | 102 | 97 | 92 | 89 | 101 | 95 | 91 | 88 | 93 | 90 | 87 | 92 | 89 | 86 | 90 | 87 | 85 | 84 |
| 5 | 99 | 92 | 88 | 84 | 97 | 91 | 87 | 84 | 90 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 | 81 |
| 6 | 95 | 88 | 84 | 80 | 94 | 88 | 83 | 80 | 86 | 82 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 77 |
| 7 | 92 | 85 | 80 | 77 | 91 | 84 | 80 | 77 | 83 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 76 | 74 |
| 8 | 89 | 82 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 73 | 79 | 76 | 73 | 78 | 75 | 73 | 72 |
| 9 | 86 | 79 | 74 | 71 | 85 | 78 | 74 | 71 | 77 | 73 | 71 | 77 | 73 | 70 | 76 | 72 | 70 | 69 |
| 10 | 83 | 76 | 71 | 68 | 82 | 75 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 73 | 70 | 68 | 67 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|---------|
| | 0° |
| 0° | 1327835 |
| 5° | 1321380 |
| 10° | 1249000 |
| 15° | 1061800 |
| 20° | 723694 |
| 25° | 301956 |
| 30° | 94938 |
| 35° | 44123 |
| 40° | 24404 |
| 45° | 11187 |
| 50° | 5422 |
| 55° | 2972 |
| 60° | 1552 |
| 65° | 543 |
| 70° | 224 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11187 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1125.0 | 21.6 |
| 10°-20° | 2520.2 | 48.3 |
| 20°-30° | 1261.5 | 24.2 |
| 30°-40° | 231.2 | 4.4 |
| 40°-50° | 63.8 | 1.2 |
| 50°-60° | 15.0 | 0.3 |
| 60°-70° | 2.9 | 0.1 |
| 70°-80° | 0.1 | 0.0 |
| 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° | 4906.7 | 94.0 |
| 0°-40° | 5138.0 | 98.4 |
| 0°-60° | 5216.7 | 99.9 |
| 0°-90° | 5219.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5219.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-------|------|
| 0° | 12153 | |
| 5° | 12048 | ### |
| 15° | 9387 | 2520 |
| 25° | 2505 | 1262 |
| 35° | 331 | 231 |
| 45° | 72 | 64 |
| 55° | 16 | 15 |
| 65° | 2 | 3 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|---------|
| 0° | 12152.9 |
| 2.5° | 12135.2 |
| 5° | 12047.8 |
| 7.5° | 11769.5 |
| 10° | 11257.7 |
| 12.5° | 10459.7 |
| 15° | 9386.9 |
| 17.5° | 7991.9 |
| 20° | 6224.1 |
| 22.5° | 4243.4 |
| 25° | 2504.7 |
| 27.5° | 1324.1 |
| 30° | 752.5 |
| 32.5° | 486.3 |
| 35° | 330.8 |
| 37.5° | 236.4 |
| 40° | 171.1 |
| 42.5° | 117.1 |
| 45° | 72.4 |
| 47.5° | 46.1 |
| 50° | 31.9 |
| 52.5° | 22.7 |
| 55° | 15.6 |
| 57.5° | 9.9 |
| 60° | 7.1 |
| 62.5° | 4.3 |
| 65° | 2.1 |
| 67.5° | 1.4 |
| 70° | 0.7 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)