

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844001

Luminaire Tested: **LD6C10DE010B2750 EU6C10B50 6LBMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B2750 EU6C10B50 6LBMB
Description:
Light Source: -
Ballast/Driver:

Summary

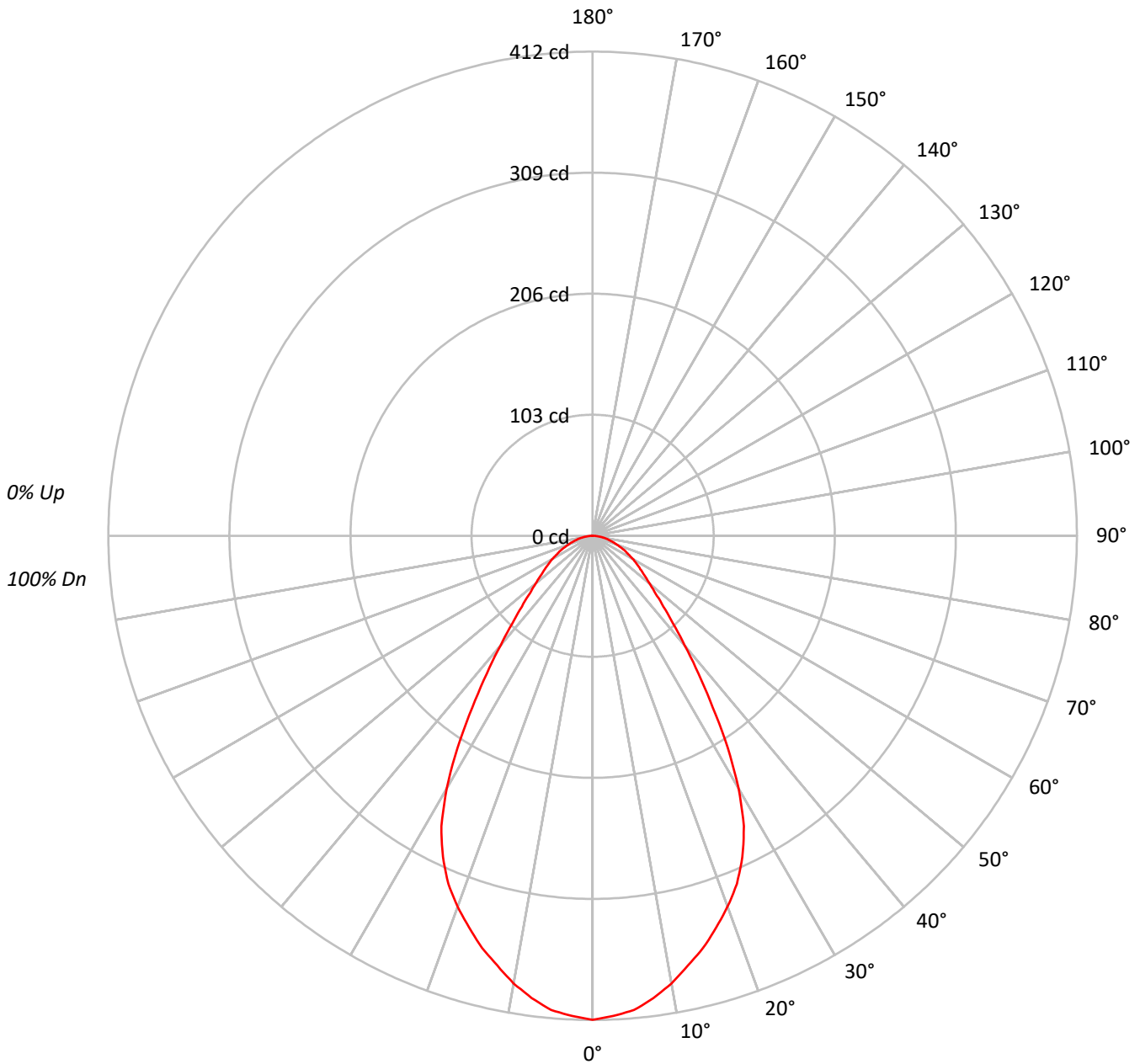
Lumens per Lamp: N/A
Luminaire Lumens: 552.1 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
Input Voltage (V):
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: 25 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 | | | 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 | 108 | 104 | 101 | 109 | 105 | 103 | 100 | 101 | 99 | 97 | 98 | 96 | 94 | 94 | 92 | 91 | 89 | | | 89 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | 79 |
| 3 | 97 | 88 | 82 | 77 | 95 | 87 | 81 | 76 | 84 | 79 | 75 | 82 | 77 | 74 | 79 | 76 | 73 | 71 | | | 71 |
| 4 | 90 | 81 | 74 | 68 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 64 | | | 64 |
| 5 | 85 | 74 | 67 | 61 | 83 | 73 | 66 | 61 | 71 | 65 | 61 | 69 | 64 | 60 | 68 | 63 | 59 | 58 | | | 58 |
| 6 | 79 | 68 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 54 | 53 | | | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 | | | 48 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | | | 44 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 51 | 46 | 43 | 41 | | | 41 |
| 10 | 63 | 51 | 45 | 40 | 62 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 48 | 43 | 40 | 38 | | | 38 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 22580 |
| 5° | 22292 |
| 10° | 21532 |
| 15° | 20613 |
| 20° | 19590 |
| 25° | 18237 |
| 30° | 15711 |
| 35° | 11926 |
| 40° | 8716 |
| 45° | 6605 |
| 50° | 5390 |
| 55° | 4731 |
| 60° | 4342 |
| 65° | 3956 |
| 70° | 3542 |
| 75° | 3219 |
| 80° | 2873 |
| 85° | 2390 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.1 | 6.9 |
| 10°-20° | 101.9 | 18.5 |
| 20°-30° | 136.9 | 24.8 |
| 30°-40° | 112.3 | 20.3 |
| 40°-50° | 67.4 | 12.2 |
| 50°-60° | 44.8 | 8.1 |
| 60°-70° | 30.1 | 5.4 |
| 70°-80° | 16.2 | 2.9 |
| 80°-90° | 4.6 | 0.8 |
| 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° | 276.8 | 50.1 |
| 0°-40° | 389.1 | 70.5 |
| 0°-60° | 501.3 | 90.8 |
| 0°-90° | 552.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 552.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 412 | |
| 5° | 405 | 38 |
| 15° | 363 | 102 |
| 25° | 302 | 137 |
| 35° | 178 | 112 |
| 45° | 85 | 67 |
| 55° | 50 | 45 |
| 65° | 30 | 30 |
| 75° | 15 | 16 |
| 85° | 4 | 5 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 411.9 |
| 2.5° | 408.9 |
| 5° | 405.1 |
| 7.5° | 396.7 |
| 10° | 386.8 |
| 12.5° | 374.6 |
| 15° | 363.2 |
| 17.5° | 349.5 |
| 20° | 335.8 |
| 22.5° | 320.6 |
| 25° | 301.5 |
| 27.5° | 278.7 |
| 30° | 248.2 |
| 32.5° | 214.0 |
| 35° | 178.2 |
| 37.5° | 147.8 |
| 40° | 121.8 |
| 42.5° | 101.3 |
| 45° | 85.2 |
| 47.5° | 72.3 |
| 50° | 63.2 |
| 52.5° | 55.6 |
| 55° | 49.5 |
| 57.5° | 44.2 |
| 60° | 39.6 |
| 62.5° | 34.3 |
| 65° | 30.5 |
| 67.5° | 25.9 |
| 70° | 22.1 |
| 72.5° | 18.3 |
| 75° | 15.2 |
| 77.5° | 12.2 |
| 80° | 9.1 |
| 82.5° | 6.9 |
| 85° | 3.8 |
| 87.5° | 1.5 |
| 90° | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)