

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: P844138

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBMGPH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844138  
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: LD6C20DE010B2750 EU6C20B35 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

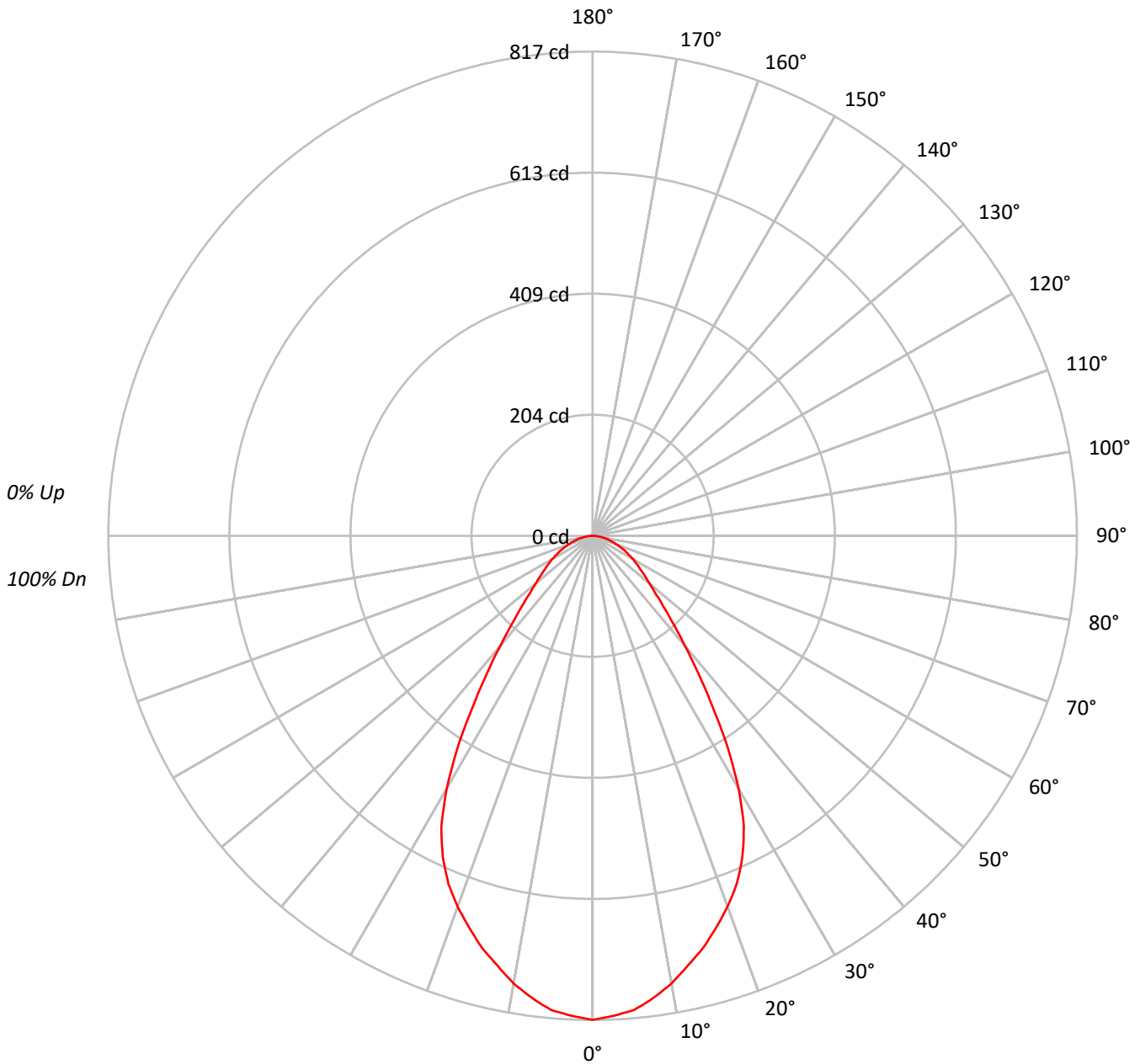
Lumens per Lamp: N/A  
Luminaire Lumens: 1094.6 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.8  
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°  | 44777 |
| 5°  | 44200 |
| 10° | 42696 |
| 15° | 40869 |
| 20° | 38842 |
| 25° | 36165 |
| 30° | 31157 |
| 35° | 23637 |
| 40° | 17290 |
| 45° | 13110 |
| 50° | 10686 |
| 55° | 9376  |
| 60° | 8607  |
| 65° | 7835  |
| 70° | 7020  |
| 75° | 6375  |
| 80° | 5714  |
| 85° | 4717  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 75.5   | 6.9       |
| 10°-20°   | 202.1  | 18.5      |
| 20°-30°   | 271.4  | 24.8      |
| 30°-40°   | 222.6  | 20.3      |
| 40°-50°   | 133.7  | 12.2      |
| 50°-60°   | 88.8   | 8.1       |
| 60°-70°   | 59.5   | 5.4       |
| 70°-80°   | 32.0   | 2.9       |
| 80°-90°   | 9.0    | 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°    | 548.9  | 50.1      |
| 0°-40°    | 771.5  | 70.5      |
| 0°-60°    | 994.0  | 90.8      |
| 0°-90°    | 1094.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1094.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 817 |      |
| 5°  | 803 | 75   |
| 15° | 720 | 202  |
| 25° | 598 | 271  |
| 35° | 353 | 223  |
| 45° | 169 | 134  |
| 55° | 98  | 89   |
| 65° | 60  | 60   |
| 75° | 30  | 32   |
| 85° | 8   | 9    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 816.8 |
| 2.5°  | 810.8 |
| 5°    | 803.2 |
| 7.5°  | 786.6 |
| 10°   | 767.0 |
| 12.5° | 742.8 |
| 15°   | 720.1 |
| 17.5° | 693.0 |
| 20°   | 665.8 |
| 22.5° | 635.6 |
| 25°   | 597.9 |
| 27.5° | 552.6 |
| 30°   | 492.2 |
| 32.5° | 424.2 |
| 35°   | 353.2 |
| 37.5° | 292.9 |
| 40°   | 241.6 |
| 42.5° | 200.8 |
| 45°   | 169.1 |
| 47.5° | 143.4 |
| 50°   | 125.3 |
| 52.5° | 110.2 |
| 55°   | 98.1  |
| 57.5° | 87.6  |
| 60°   | 78.5  |
| 62.5° | 67.9  |
| 65°   | 60.4  |
| 67.5° | 51.3  |
| 70°   | 43.8  |
| 72.5° | 36.3  |
| 75°   | 30.1  |
| 77.5° | 24.1  |
| 80°   | 18.1  |
| 82.5° | 13.5  |
| 85°   | 7.5   |
| 87.5° | 3.1   |
| 90°   | 0.0   |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)