

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P202879

Luminaire Tested: **LE\_6B60D010R EC6B60708050 6LBWWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202879  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60708050 6LBWWH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH WHEAT TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7065.7 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

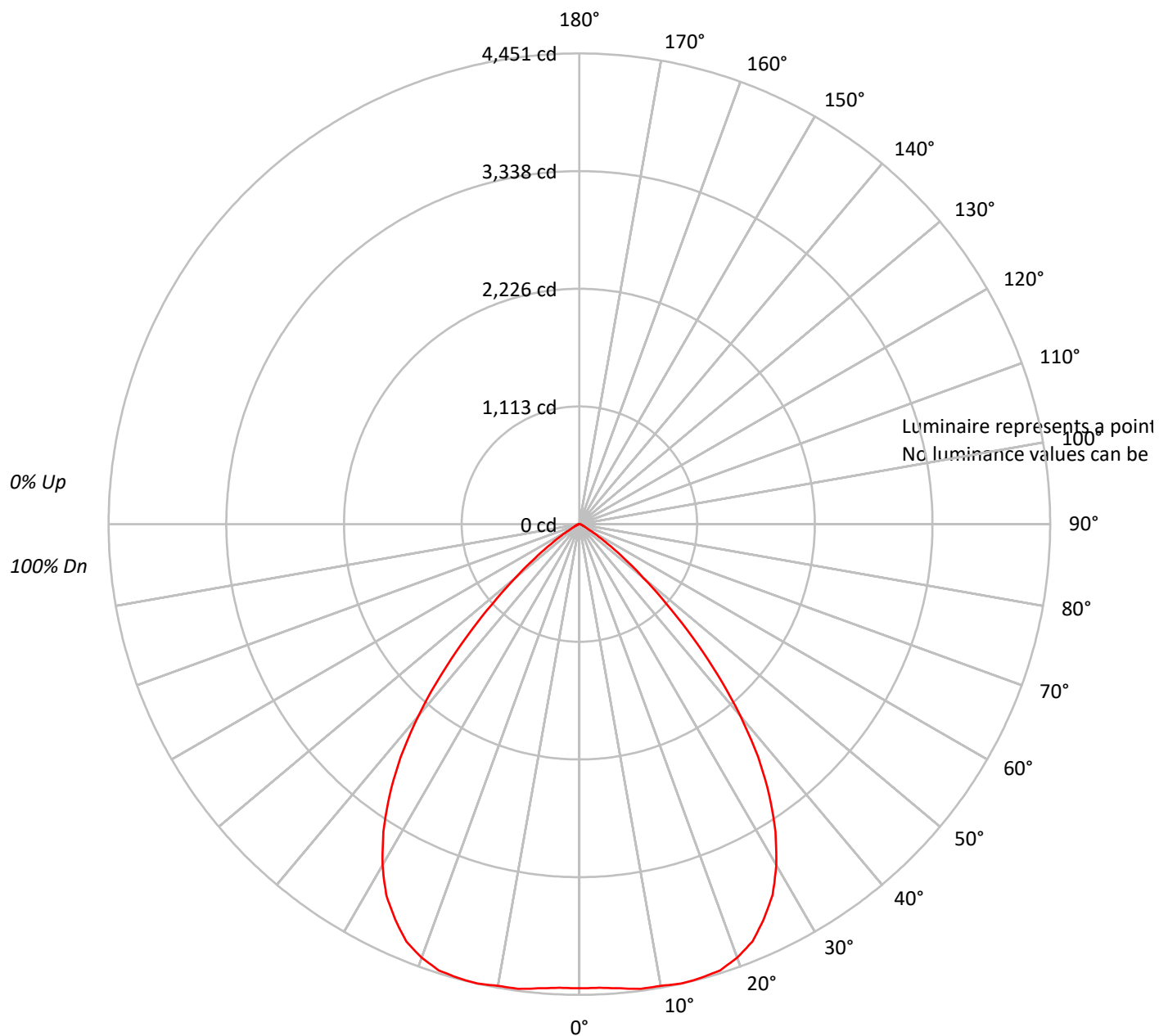
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202879

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBWWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202879

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBWWH1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |    | 20 |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 96  | 92  | 104 | 98  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 75  |    |    |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  | 79  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |
| 5   | 87  | 77  | 71  | 66  | 85  | 76  | 70  | 65  | 75  | 69  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 62  |    |    |
| 6   | 82  | 71  | 64  | 59  | 80  | 71  | 64  | 59  | 69  | 63  | 59  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |    |    |
| 7   | 77  | 66  | 59  | 54  | 75  | 65  | 59  | 54  | 64  | 58  | 54  | 63  | 57  | 53  | 61  | 57  | 53  | 51  |    |    |
| 8   | 72  | 61  | 54  | 49  | 71  | 61  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |    |    |
| 9   | 68  | 57  | 50  | 45  | 67  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 43  |    |    |
| 10  | 64  | 53  | 46  | 42  | 63  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 42  | 50  | 45  | 41  | 40  |    |    |

**AVERAGE LUMINANCE (cd/sqm):**





TEST NUMBER: P202879

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBWWH1

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 421.8  | 6.0       |
| 10°-20°   | 1254.4 | 17.8      |
| 20°-30°   | 1888.2 | 26.7      |
| 30°-40°   | 1930.7 | 27.3      |
| 40°-50°   | 1172.5 | 16.6      |
| 50°-60°   | 330.2  | 4.7       |
| 60°-70°   | 50.2   | 0.7       |
| 70°-80°   | 16.4   | 0.2       |
| 80°-90°   | 1.2    | 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°    | 3564.5 | 50.4      |
| 0°-40°    | 5495.2 | 77.8      |
| 0°-60°    | 6997.9 | 99.0      |
| 0°-90°    | 7065.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7065.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4388 |      |
| 5°  | 4406 | 422  |
| 15° | 4442 | 1254 |
| 25° | 4122 | 1888 |
| 35° | 3130 | 1931 |
| 45° | 1507 | 1173 |
| 55° | 328  | 330  |
| 65° | 44   | 50   |
| 75° | 18   | 16   |
| 85° | 0    | 1    |
| 90° | 0    |      |



TEST NUMBER: P202879

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBWWH1

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 4388.5 |
| 2.5°  | 4388.5 |
| 5°    | 4406.2 |
| 7.5°  | 4432.9 |
| 10°   | 4432.9 |
| 12.5° | 4450.6 |
| 15°   | 4441.8 |
| 17.5° | 4424.0 |
| 20°   | 4361.9 |
| 22.5° | 4273.2 |
| 25°   | 4122.5 |
| 27.5° | 3954.1 |
| 30°   | 3723.6 |
| 32.5° | 3448.8 |
| 35°   | 3129.6 |
| 37.5° | 2775.0 |
| 40°   | 2367.1 |
| 42.5° | 1941.6 |
| 45°   | 1507.1 |
| 47.5° | 1117.1 |
| 50°   | 789.0  |
| 52.5° | 532.0  |
| 55°   | 328.0  |
| 57.5° | 195.0  |
| 60°   | 97.5   |
| 62.5° | 62.0   |
| 65°   | 44.4   |
| 67.5° | 35.5   |
| 70°   | 26.6   |
| 72.5° | 17.8   |
| 75°   | 17.8   |
| 77.5° | 8.9    |
| 80°   | 8.9    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)