

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: PP201214

Luminaire Tested: **LE_6B40D010 EC6B30508035 6LBW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: PP201214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35119)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B40D010 EC6B30508035 6LBW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5407.6 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.17
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

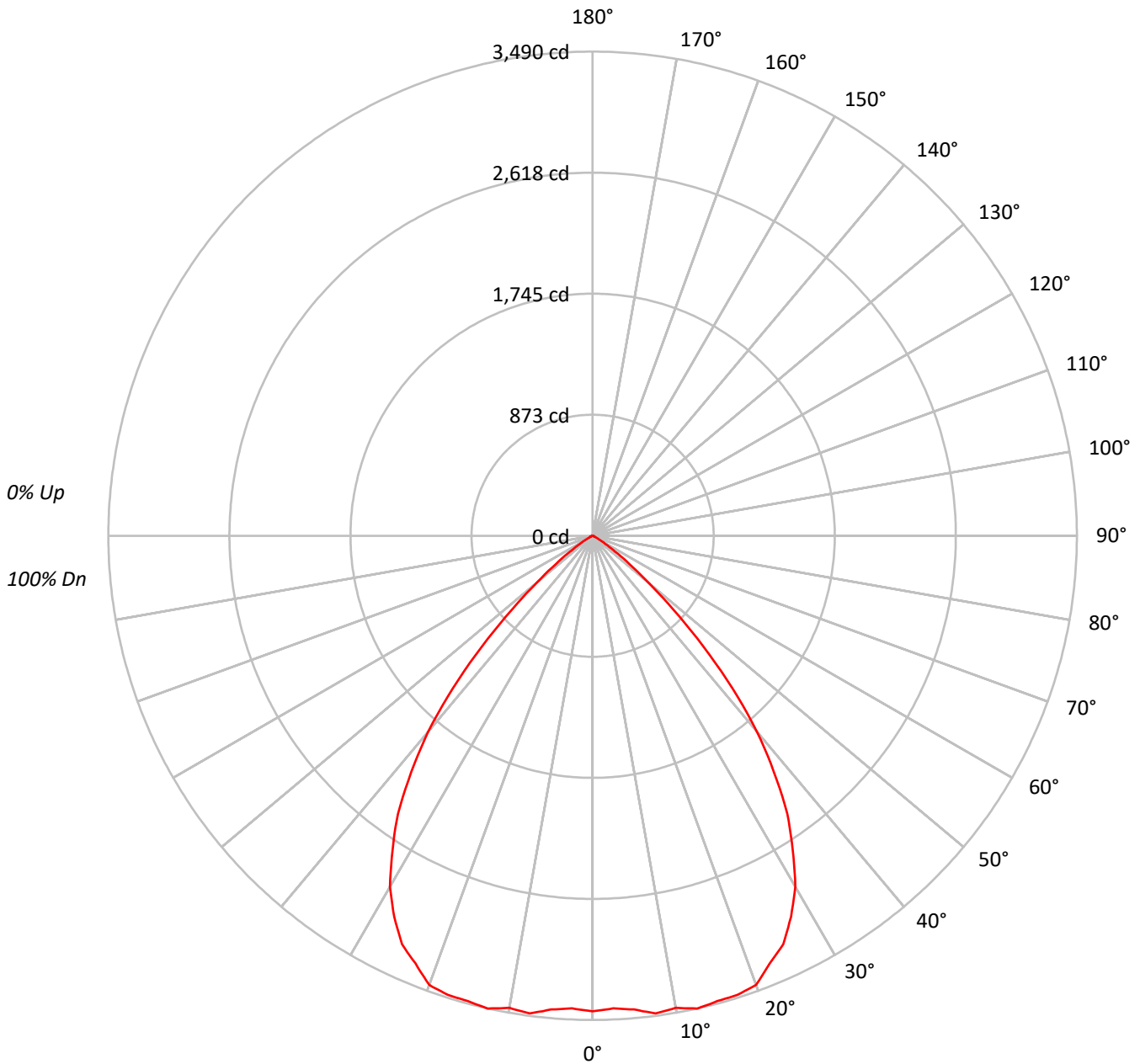
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 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 | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 99 | 100 | 98 | 97 | 96 | 95 | 94 | 92 | | | | 92 |
| 2 | 106 | 101 | 96 | 92 | 104 | 99 | 95 | 91 | 95 | 92 | 89 | 92 | 90 | 87 | 90 | 87 | 85 | 84 | | | | 84 |
| 3 | 100 | 92 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 83 | 80 | 77 | 76 | | | | 76 |
| 4 | 93 | 85 | 78 | 74 | 92 | 84 | 78 | 73 | 81 | 76 | 72 | 79 | 75 | 71 | 77 | 74 | 70 | 69 | | | | 69 |
| 5 | 88 | 78 | 71 | 66 | 86 | 77 | 71 | 66 | 75 | 70 | 65 | 73 | 69 | 65 | 72 | 68 | 64 | 63 | | | | 63 |
| 6 | 82 | 72 | 65 | 60 | 81 | 71 | 65 | 60 | 70 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 57 | | | | 57 |
| 7 | 77 | 67 | 60 | 55 | 76 | 66 | 59 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | | | | 52 |
| 8 | 73 | 62 | 55 | 50 | 71 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 48 | | | | 48 |
| 9 | 69 | 58 | 51 | 46 | 67 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 44 | | | | 44 |
| 10 | 65 | 54 | 47 | 43 | 64 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 41 | | | | 41 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 37114 |
| 5° | 37256 |
| 10° | 37995 |
| 15° | 38932 |
| 20° | 39698 |
| 25° | 38824 |
| 30° | 36529 |
| 35° | 32343 |
| 40° | 26051 |
| 45° | 17211 |
| 50° | 8760 |
| 55° | 3757 |
| 60° | 1211 |
| 65° | 538 |
| 70° | 332 |
| 75° | 293 |
| 80° | 218 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 329.2 | 6.1 |
| 10°-20° | 983.5 | 18.2 |
| 20°-30° | 1481.8 | 27.4 |
| 30°-40° | 1503.8 | 27.8 |
| 40°-50° | 873.9 | 16.2 |
| 50°-60° | 203.9 | 3.8 |
| 60°-70° | 23.6 | 0.4 |
| 70°-80° | 7.4 | 0.1 |
| 80°-90° | 0.5 | 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° | 2794.5 | 51.7 |
| 0°-40° | 4298.3 | 79.5 |
| 0°-60° | 5376.1 | 99.4 |
| 0°-90° | 5407.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5407.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3427 | |
| 5° | 3427 | 329 |
| 15° | 3473 | 983 |
| 25° | 3249 | 1482 |
| 35° | 2447 | 1504 |
| 45° | 1124 | 874 |
| 55° | 199 | 204 |
| 65° | 21 | 24 |
| 75° | 7 | 7 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3427.4 |
| 2.5° | 3410.0 |
| 5° | 3427.4 |
| 7.5° | 3472.8 |
| 10° | 3455.4 |
| 12.5° | 3490.2 |
| 15° | 3472.8 |
| 17.5° | 3469.2 |
| 20° | 3444.9 |
| 22.5° | 3336.6 |
| 25° | 3249.4 |
| 27.5° | 3095.9 |
| 30° | 2921.4 |
| 32.5° | 2684.0 |
| 35° | 2446.6 |
| 37.5° | 2146.5 |
| 40° | 1842.9 |
| 42.5° | 1493.9 |
| 45° | 1123.9 |
| 47.5° | 788.8 |
| 50° | 520.0 |
| 52.5° | 331.6 |
| 55° | 199.0 |
| 57.5° | 108.2 |
| 60° | 55.9 |
| 62.5° | 27.9 |
| 65° | 21.0 |
| 67.5° | 14.0 |
| 70° | 10.5 |
| 72.5° | 10.5 |
| 75° | 7.0 |
| 77.5° | 3.5 |
| 80° | 3.5 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |



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— 0°-180°







(END OF REPORT)