

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: P251120

Luminaire Tested: **LD8B60D010 ER8B60940 8LBW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P200903)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60940 8LBW0WH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5736.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

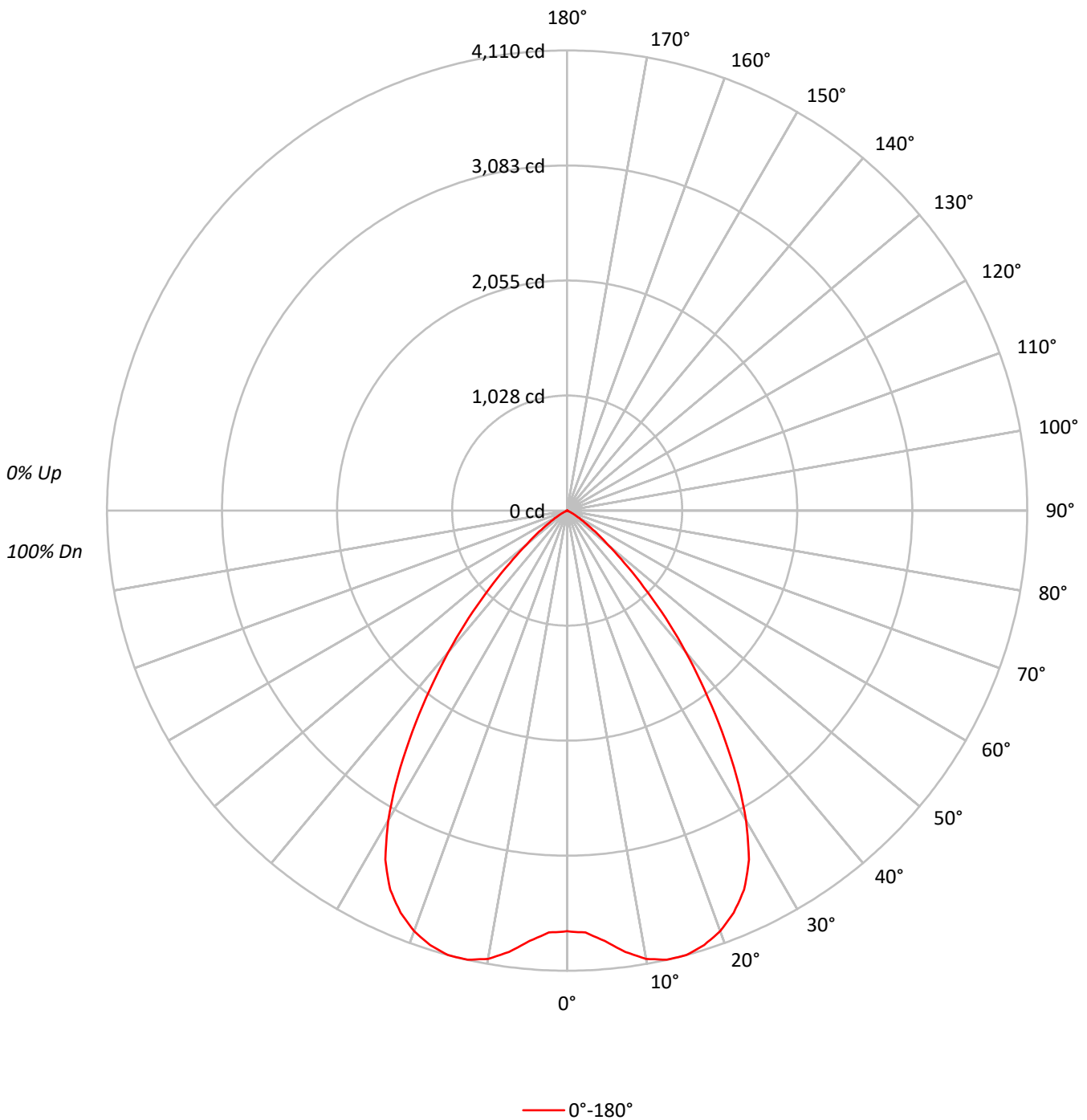
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251120

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P251120

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0WH

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 | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 |
| 2 | 106 | 101 | 97 | 93 | 104 | 99 | 95 | 92 | 96 | 93 | 90 | 93 | 90 | 88 | 90 | 88 | 86 | 84 |
| 3 | 100 | 93 | 87 | 83 | 98 | 92 | 86 | 82 | 89 | 85 | 81 | 86 | 83 | 80 | 84 | 81 | 78 | 77 |
| 4 | 94 | 86 | 80 | 75 | 92 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 70 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 67 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 |
| 6 | 83 | 73 | 67 | 62 | 82 | 73 | 66 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 59 |
| 7 | 78 | 68 | 61 | 57 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 |
| 8 | 74 | 63 | 57 | 52 | 73 | 63 | 56 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 59 | 55 | 51 | 50 |
| 9 | 70 | 59 | 53 | 48 | 69 | 59 | 52 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 56 | 51 | 47 | 46 |
| 10 | 66 | 55 | 49 | 45 | 65 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 48 | 44 | 43 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 115871 |
| 5° | 119424 |
| 10° | 127290 |
| 15° | 131218 |
| 20° | 131209 |
| 25° | 127199 |
| 30° | 113845 |
| 35° | 90677 |
| 40° | 66254 |
| 45° | 42318 |
| 50° | 22888 |
| 55° | 11768 |
| 60° | 5113 |
| 65° | 1051 |
| 70° | 721 |
| 75° | 0 |
| 80° | 231 |
| 85° | 0 |



TEST NUMBER: P251120

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0WH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 375.5 | 6.5 |
| 10°-20° | 1155.5 | 20.1 |
| 20°-30° | 1695.2 | 29.6 |
| 30°-40° | 1497.5 | 26.1 |
| 40°-50° | 767.1 | 13.4 |
| 50°-60° | 214.5 | 3.7 |
| 60°-70° | 27.4 | 0.5 |
| 70°-80° | 2.8 | 0.0 |
| 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° | 3226.2 | 56.2 |
| 0°-40° | 4723.7 | 82.4 |
| 0°-60° | 5705.3 | 99.5 |
| 0°-90° | 5736.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5736.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 3758 | |
| 5° | 3858 | 375 |
| 15° | 4110 | 1155 |
| 25° | 3738 | 1695 |
| 35° | 2409 | 1498 |
| 45° | 970 | 767 |
| 55° | 219 | 214 |
| 65° | 14 | 27 |
| 75° | 0 | 3 |
| 85° | 0 | 1 |
| 90° | 0 | 0 |
| 95° | 0 | 0 |
| 105° | 0 | 0 |
| 115° | 0 | 0 |
| 125° | 0 | 0 |
| 135° | 0 | 0 |
| 145° | 0 | 0 |
| 155° | 0 | 0 |
| 165° | 0 | 0 |
| 175° | 0 | 0 |
| 180° | 0 | 0 |



TEST NUMBER: P251120

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0WH

CANDELA DISTRIBUTION (FULL):

| 0° | |
|--------|--------|
| 0° | 3757.6 |
| 2.5° | 3772.0 |
| 5° | 3858.1 |
| 7.5° | 3976.0 |
| 10° | 4065.2 |
| 12.5° | 4108.8 |
| 15° | 4110.3 |
| 17.5° | 4068.9 |
| 20° | 3998.4 |
| 22.5° | 3886.9 |
| 25° | 3738.5 |
| 27.5° | 3517.2 |
| 30° | 3197.3 |
| 32.5° | 2818.2 |
| 35° | 2408.8 |
| 37.5° | 2009.8 |
| 40° | 1645.9 |
| 42.5° | 1302.4 |
| 45° | 970.4 |
| 47.5° | 692.6 |
| 50° | 477.1 |
| 52.5° | 333.4 |
| 55° | 218.9 |
| 57.5° | 139.0 |
| 60° | 82.9 |
| 62.5° | 43.0 |
| 65° | 14.4 |
| 67.5° | 9.4 |
| 70° | 8.0 |
| 72.5° | 4.7 |
| 75° | 0.0 |
| 77.5° | 1.3 |
| 80° | 1.3 |
| 82.5° | 1.3 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |
| 92.5° | 0.0 |
| 95° | 0.0 |
| 97.5° | 0.0 |
| 100° | 0.0 |
| 102.5° | 0.0 |
| 105° | 0.0 |
| 107.5° | 0.0 |
| 110° | 0.0 |



TEST NUMBER: P251120

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBW0WH

CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-----|
| 112.5° | 0.0 |
| 115° | 0.0 |
| 117.5° | 0.0 |
| 120° | 0.0 |
| 122.5° | 0.0 |
| 125° | 0.0 |
| 127.5° | 0.0 |
| 130° | 0.0 |
| 132.5° | 0.0 |
| 135° | 0.0 |
| 137.5° | 0.0 |
| 140° | 0.0 |
| 142.5° | 0.0 |
| 145° | 0.0 |
| 147.5° | 0.0 |
| 150° | 0.0 |
| 152.5° | 0.0 |
| 155° | 0.0 |
| 157.5° | 0.0 |
| 160° | 0.0 |
| 162.5° | 0.0 |
| 165° | 0.0 |
| 167.5° | 0.0 |
| 170° | 0.0 |
| 172.5° | 0.0 |
| 175° | 0.0 |
| 177.5° | 0.0 |
| 180° | 0.0 |

(END OF REPORT)