

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: P#

Luminaire Tested: **LD4C75D010 EX4C759035 4LCSQWH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EX4C759035 4LCSQWH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

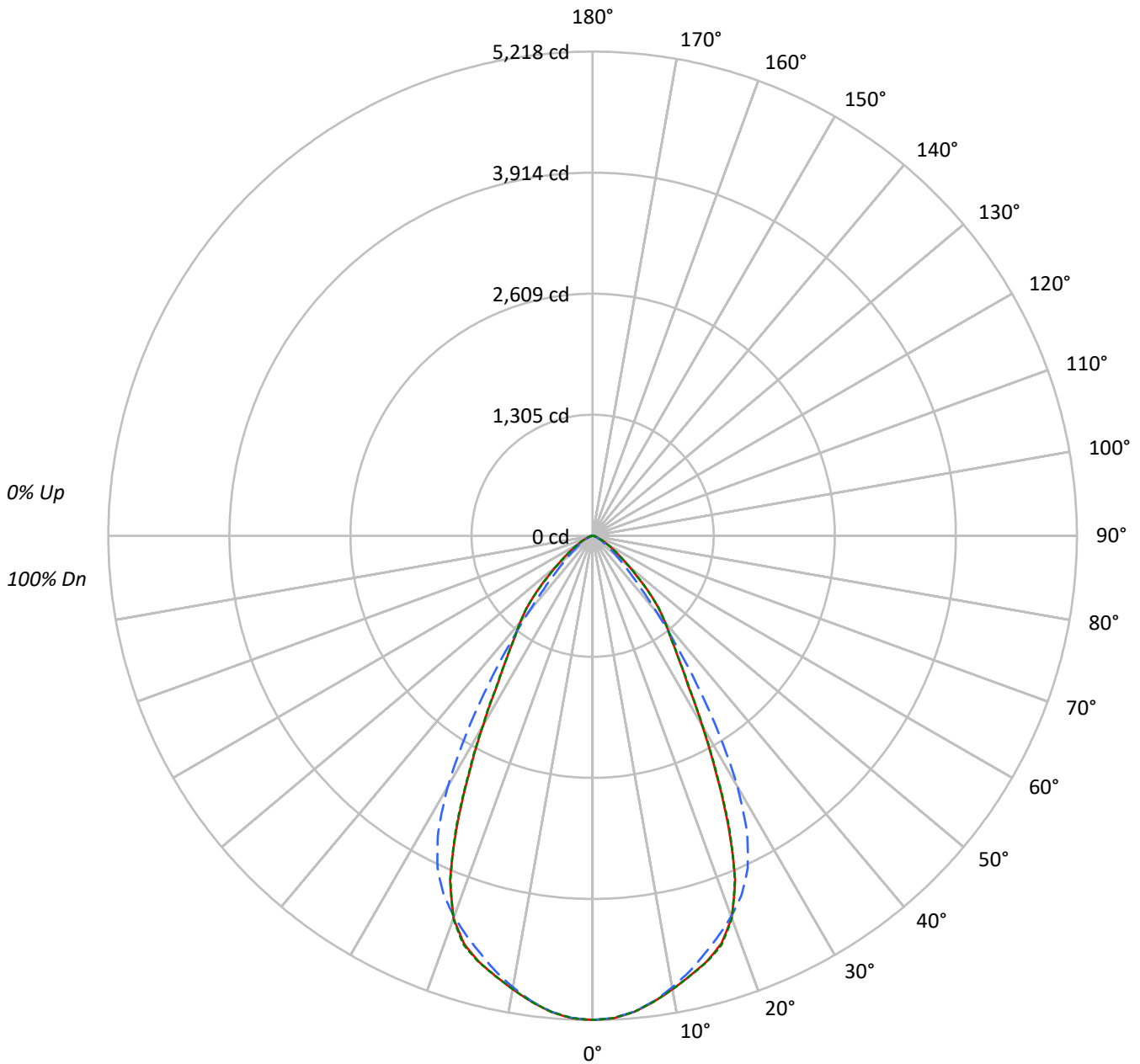
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5523.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (A_{in}): 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





TEST NUMBER: P#

CATALOG NUMBER: LD4C75D010 EX4C759035 4LCSQWH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 503498 | 503498 | 503498 |
| 5° | 498884 | 498564 | 498729 |
| 10° | 486115 | 484175 | 486115 |
| 15° | 474410 | 465859 | 474900 |
| 20° | 449806 | 448112 | 450648 |
| 25° | 368961 | 421000 | 370888 |
| 30° | 263097 | 347807 | 263465 |
| 35° | 189762 | 230470 | 190351 |
| 40° | 152144 | 133905 | 152144 |
| 45° | 116097 | 78148 | 115196 |
| 50° | 76571 | 49897 | 76331 |
| 55° | 51493 | 33493 | 50938 |
| 60° | 34620 | 22868 | 34929 |
| 65° | 23676 | 16165 | 23288 |
| 70° | 15798 | 11595 | 15798 |
| 75° | 10439 | 8575 | 10439 |
| 80° | 7335 | 6390 | 7335 |
| 85° | 5425 | 5425 | 5425 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 485.1 | 8.8 |
| 10°-20° | 1322.7 | 23.9 |
| 20°-30° | 1653.5 | 29.9 |
| 30°-40° | 1112.4 | 20.1 |
| 40°-50° | 587.4 | 10.6 |
| 50°-60° | 238.7 | 4.3 |
| 60°-70° | 88.5 | 1.6 |
| 70°-80° | 28.6 | 0.5 |
| 80°-90° | 6.1 | 0.1 |
| 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° | 3461.3 | 62.7 |
| 0°-40° | 4573.7 | 82.8 |
| 0°-60° | 5399.7 | 97.8 |
| 0°-90° | 5523.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5523.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5218 | 5218 | 5218 | 5218 | 5218 | |
| 5° | 5151 | 5146 | 5147 | 5147 | 5149 | 485 |
| 15° | 4749 | 4710 | 4664 | 4708 | 4754 | 1330 |
| 25° | 3466 | 3660 | 3954 | 3666 | 3484 | 1560 |
| 35° | 1611 | 1692 | 1957 | 1695 | 1616 | 1037 |
| 45° | 851 | 808 | 573 | 805 | 844 | 652 |
| 55° | 306 | 257 | 199 | 257 | 303 | 284 |
| 65° | 104 | 84 | 71 | 84 | 102 | 107 |
| 75° | 28 | 25 | 23 | 25 | 28 | 32 |
| 85° | 5 | 5 | 5 | 5 | 5 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: LD4C75D010 EX4C759035 4LCSQWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 5218.2 | 5218.2 | 5218.2 | 5218.2 | 5218.2 |
| 2.5° | 5205.0 | 5201.7 | 5200.1 | 5200.1 | 5201.7 |
| 5° | 5150.7 | 5145.8 | 5147.4 | 5147.4 | 5149.1 |
| 7.5° | 5063.5 | 5061.9 | 5056.9 | 5063.5 | 5063.5 |
| 10° | 4961.5 | 4953.3 | 4941.7 | 4954.9 | 4961.5 |
| 12.5° | 4856.2 | 4831.5 | 4811.7 | 4831.5 | 4856.2 |
| 15° | 4749.2 | 4709.7 | 4663.6 | 4708.1 | 4754.1 |
| 17.5° | 4609.3 | 4569.8 | 4518.8 | 4578.1 | 4622.5 |
| 20° | 4380.6 | 4383.9 | 4364.1 | 4380.6 | 4388.8 |
| 22.5° | 4013.6 | 4087.7 | 4191.3 | 4089.3 | 4002.1 |
| 25° | 3465.6 | 3659.8 | 3954.4 | 3666.4 | 3483.7 |
| 27.5° | 2878.2 | 3125.0 | 3607.2 | 3139.8 | 2896.3 |
| 30° | 2361.4 | 2580.3 | 3121.7 | 2595.1 | 2364.7 |
| 32.5° | 1912.2 | 2075.1 | 2537.5 | 2094.8 | 1933.6 |
| 35° | 1611.0 | 1691.7 | 1956.6 | 1695.0 | 1616.0 |
| 37.5° | 1380.7 | 1380.7 | 1453.1 | 1387.2 | 1374.1 |
| 40° | 1207.9 | 1155.2 | 1063.1 | 1153.6 | 1207.9 |
| 42.5° | 1046.6 | 967.6 | 771.8 | 964.3 | 1049.9 |
| 45° | 850.8 | 808.0 | 572.7 | 804.7 | 844.2 |
| 47.5° | 653.3 | 623.7 | 431.1 | 620.4 | 658.2 |
| 50° | 510.1 | 464.1 | 332.4 | 460.8 | 508.5 |
| 52.5° | 391.7 | 342.3 | 256.7 | 342.3 | 388.4 |
| 55° | 306.1 | 256.7 | 199.1 | 256.7 | 302.8 |
| 57.5° | 235.3 | 195.8 | 151.4 | 192.5 | 233.7 |
| 60° | 179.4 | 146.5 | 118.5 | 146.5 | 181.0 |
| 62.5° | 136.6 | 111.9 | 90.5 | 110.3 | 134.9 |
| 65° | 103.7 | 83.9 | 70.8 | 83.9 | 102.0 |
| 67.5° | 75.7 | 62.5 | 54.3 | 62.5 | 77.3 |
| 70° | 56.0 | 47.7 | 41.1 | 46.1 | 56.0 |
| 72.5° | 41.1 | 34.6 | 31.3 | 34.6 | 41.1 |
| 75° | 28.0 | 24.7 | 23.0 | 24.7 | 28.0 |
| 77.5° | 19.7 | 18.1 | 16.5 | 18.1 | 19.7 |
| 80° | 13.2 | 11.5 | 11.5 | 13.2 | 13.2 |
| 82.5° | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 85° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 87.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)