

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: LUMIERE

Report Number: P221527

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1917.4 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

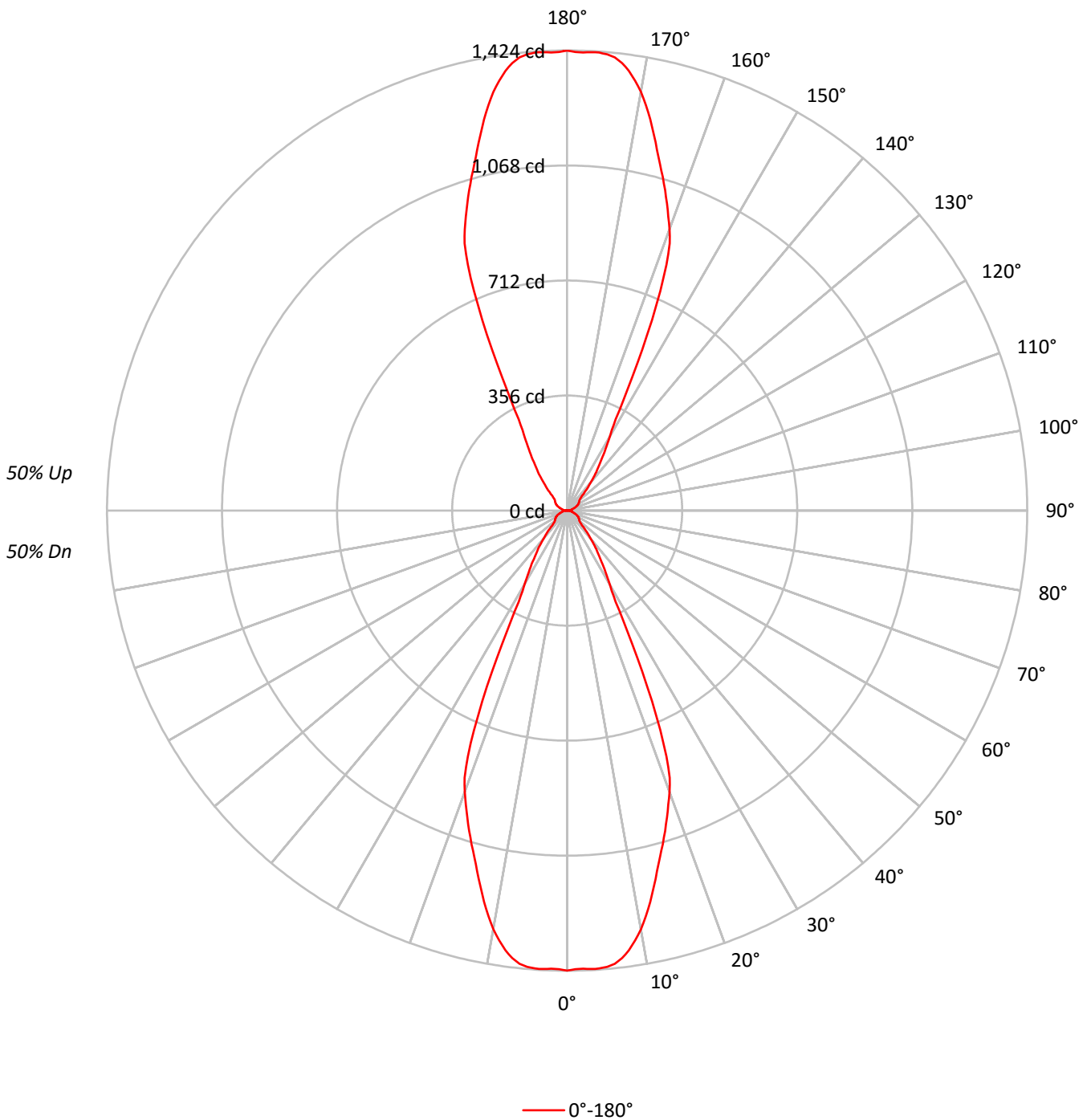
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | | 69 | 69 | 69 | | 56 | 56 | 56 | 50 |
| 1 | 100 | 96 | 93 | 90 | 92 | 89 | 86 | 84 | 76 | 74 | 72 | | 64 | 63 | 61 | | 53 | 52 | 51 | 46 |
| 2 | 93 | 87 | 82 | 78 | 86 | 81 | 76 | 73 | 69 | 66 | 64 | | 59 | 57 | 55 | | 49 | 48 | 47 | 42 |
| 3 | 86 | 79 | 73 | 68 | 80 | 73 | 68 | 64 | 64 | 60 | 57 | | 55 | 52 | 50 | | 46 | 44 | 43 | 39 |
| 4 | 81 | 72 | 65 | 60 | 75 | 67 | 62 | 57 | 59 | 55 | 51 | | 51 | 48 | 46 | | 43 | 42 | 40 | 37 |
| 5 | 76 | 66 | 59 | 54 | 70 | 62 | 56 | 52 | 55 | 50 | 47 | | 48 | 44 | 42 | | 41 | 39 | 37 | 34 |
| 6 | 71 | 61 | 54 | 49 | 66 | 57 | 51 | 47 | 51 | 46 | 43 | | 45 | 41 | 39 | | 39 | 37 | 35 | 32 |
| 7 | 67 | 56 | 50 | 45 | 62 | 53 | 47 | 43 | 47 | 43 | 40 | | 42 | 39 | 36 | | 37 | 34 | 33 | 30 |
| 8 | 63 | 52 | 46 | 41 | 59 | 50 | 44 | 40 | 45 | 40 | 37 | | 40 | 36 | 34 | | 35 | 33 | 31 | 29 |
| 9 | 59 | 49 | 43 | 38 | 56 | 47 | 41 | 37 | 42 | 37 | 34 | | 38 | 34 | 32 | | 33 | 31 | 29 | 27 |
| 10 | 56 | 46 | 40 | 36 | 53 | 44 | 38 | 35 | 40 | 35 | 32 | | 36 | 32 | 30 | | 32 | 29 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 312146 |
| 5° | 311996 |
| 10° | 292758 |
| 15° | 251806 |
| 20° | 216249 |
| 25° | 133169 |
| 30° | 66466 |
| 35° | 46605 |
| 40° | 32404 |
| 45° | 20777 |
| 50° | 16921 |
| 55° | 17242 |
| 60° | 17542 |
| 65° | 16967 |
| 70° | 15195 |
| 75° | 14318 |
| 80° | 15659 |
| 85° | 15599 |



TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 132.2 | 6.9 |
| 10°-20° | 310.4 | 16.2 |
| 20°-30° | 251.9 | 13.1 |
| 30°-40° | 111.4 | 5.8 |
| 40°-50° | 55.8 | 2.9 |
| 50°-60° | 40.2 | 2.1 |
| 60°-70° | 31.8 | 1.7 |
| 70°-80° | 18.1 | 0.9 |
| 80°-90° | 6.7 | 0.4 |
| 90°-100° | 6.7 | 0.4 |
| 100°-110° | 18.1 | 0.9 |
| 110°-120° | 31.8 | 1.7 |
| 120°-130° | 40.2 | 2.1 |
| 130°-140° | 55.8 | 2.9 |
| 140°-150° | 111.4 | 5.8 |
| 150°-160° | 251.9 | 13.1 |
| 160°-170° | 310.4 | 16.2 |
| 170°-180° | 132.2 | 6.9 |
| 0°-30° | 694.5 | 36.2 |
| 0°-40° | 805.9 | 42.0 |
| 0°-60° | 901.9 | 47.0 |
| 0°-90° | 958.7 | 50.0 |
| 90°-120° | 56.7 | 3.0 |
| 90°-150° | 264.2 | 13.8 |
| 90°-180° | 959.0 | 50.0 |
| 0°-180° | 1917.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|------|------|------|
| 0° | 1424 | |
| 5° | 1417 | 132 |
| 15° | 1109 | 310 |
| 25° | 550 | 252 |
| 35° | 174 | 111 |
| 45° | 67 | 56 |
| 55° | 45 | 40 |
| 65° | 33 | 32 |
| 75° | 17 | 18 |
| 85° | 6 | 6 |
| 90° | 0 | 1 |
| 95° | 6 | 6 |
| 105° | 17 | 18 |
| 115° | 33 | 32 |
| 125° | 45 | 40 |
| 135° | 67 | 56 |
| 145° | 174 | 111 |
| 155° | 550 | 252 |
| 165° | 1109 | 310 |
| 175° | 1417 | 132 |
| 180° | 1424 | |



TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1423.5 |
| 1° | 1419.6 |
| 2° | 1418.5 |
| 3° | 1420.7 |
| 4° | 1420.7 |
| 5° | 1417.4 |
| 6° | 1410.0 |
| 7° | 1395.4 |
| 8° | 1374.0 |
| 9° | 1346.4 |
| 10° | 1314.8 |
| 11° | 1278.2 |
| 12° | 1237.6 |
| 13° | 1193.7 |
| 14° | 1150.3 |
| 15° | 1109.2 |
| 16° | 1073.7 |
| 17° | 1036.5 |
| 18° | 999.4 |
| 19° | 962.2 |
| 20° | 926.7 |
| 21° | 885.6 |
| 22° | 820.8 |
| 23° | 737.4 |
| 24° | 646.1 |
| 25° | 550.4 |
| 26° | 460.2 |
| 27° | 380.3 |
| 28° | 319.4 |
| 29° | 284.5 |
| 30° | 262.5 |
| 32.5° | 215.2 |
| 35° | 174.1 |
| 37.5° | 143.7 |
| 40° | 113.2 |
| 42.5° | 89.6 |
| 45° | 67.0 |
| 47.5° | 54.1 |
| 50° | 49.6 |
| 52.5° | 47.3 |
| 55° | 45.1 |
| 57.5° | 42.3 |
| 60° | 40.0 |
| 62.5° | 36.6 |
| 65° | 32.7 |



TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 0° |
|--------|-------|
| 67.5° | 27.6 |
| 70° | 23.7 |
| 72.5° | 19.2 |
| 75° | 16.9 |
| 77.5° | 14.6 |
| 80° | 12.4 |
| 82.5° | 9.6 |
| 85° | 6.2 |
| 87.5° | 2.8 |
| 90° | 0.0 |
| 92.5° | 2.8 |
| 95° | 6.2 |
| 97.5° | 9.6 |
| 100° | 12.4 |
| 102.5° | 14.6 |
| 105° | 16.9 |
| 107.5° | 19.2 |
| 110° | 23.7 |
| 112.5° | 27.6 |
| 115° | 32.7 |
| 117.5° | 36.6 |
| 120° | 40.0 |
| 122.5° | 42.3 |
| 125° | 45.1 |
| 127.5° | 47.3 |
| 130° | 49.6 |
| 132.5° | 54.1 |
| 135° | 67.0 |
| 137.5° | 89.6 |
| 140° | 113.2 |
| 142.5° | 143.7 |
| 145° | 174.1 |
| 147.5° | 215.2 |
| 150° | 262.5 |
| 151° | 284.5 |
| 152° | 319.4 |
| 153° | 380.3 |
| 154° | 460.2 |
| 155° | 550.4 |
| 156° | 646.1 |
| 157° | 737.4 |
| 158° | 820.8 |
| 159° | 885.6 |
| 160° | 926.7 |
| 161° | 962.2 |



TEST NUMBER: P221527

CATALOG NUMBER: 9003-W2-[RW, RI]-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 0° |
|------|--------|
| 162° | 999.4 |
| 163° | 1036.5 |
| 164° | 1073.7 |
| 165° | 1109.2 |
| 166° | 1150.3 |
| 167° | 1193.7 |
| 168° | 1237.6 |
| 169° | 1278.2 |
| 170° | 1314.8 |
| 171° | 1346.4 |
| 172° | 1374.0 |
| 173° | 1395.4 |
| 174° | 1410.0 |
| 175° | 1417.4 |
| 176° | 1420.7 |
| 177° | 1420.7 |
| 178° | 1418.5 |
| 179° | 1419.6 |
| 180° | 1423.5 |

(END OF REPORT)